ARMY SERVICE FORCES CATALOG

ORD 9 SNL G-136

LIST OF ALL SERVICE PARTS
Includes
ORD 9 SNL G-176

ORDNANCE SUPPLY CATALOG

Group G

Technical Reference TM 9-743
TM 9-1743
TM 9-1832A

LIST OF ALL SERVICE PARTS

for

CAR, ARMORED, LIGHT, M8 (G-136)
CAR, ARMORED, UTILITY, M20 (G-176)

Supersedes Ord 9 portion of Ord 7-8-9 SNL G-136 and G-176, 25 January 1944, and Ord 9 portion of Changes No. 3, 27 April 1944, Changes No. 5, 10 November 1944, Changes No. 6, 15 February 1945 and Changes No. 7, 18 April 1945.

Headquarters, Army Service Forces, 1 August 1945

ARMY SERVICE FORCES CATALOG **ORD 9** **SNL G-136**

LIST OF ALL SERVICE PARTS
Includes
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RESTRICTED

ORDNANCE SUPPLY CATALOG

Group G | **Technical Reference TM 9-1743**
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LIST OF ALL SERVICE PARTS

for

CAR, ARMORED, LIGHT, M8 (G-136)
CAR, ARMORED, UTILITY, M20 (G-176)

GENERAL INFORMATION

This is a list of all items of Service for the Car, armored, light, M8 and Car, armored, utility, M20 arranged according to standardized government grouping. *WARNING: Many of the parts listed herein are not stocked for issue. See ORD 7 and 8 of the appropriate major combination SNL for those parts stocked for issue. In case parts not listed in ORD 8 are needed, separate requisitions for these parts should be forwarded through normal supply channels with justification therefor.*

This list of all service parts is to be used for identification and storage purposes. Every individual part is not necessarily stored by itself; in fact, many parts are stored as authorized assemblies. Such assemblies are indicated herein. The components, however, of such assemblies that are items of service are listed alphabetically within the appropriate groups with the number of each particular part required per unit assembly.

QUICK REFERENCE INDEX

GENERAL INFORMATION (Cont'd)

For full information relative to the Ordnance Supply Catalog, the procedure followed and the principles employed in their compilation, together with the purposes and use thereof, see ORD 1, Introduction; ORD 2, Index; and the (OPSR) Ordnance Provision System Regulations.

FEDERAL STOCK NUMBERS: Classifications Codes for Federal Stock Numbers listed herein will be found in ORD 5-2 "Stock List".

NOTE SYMBOL: This column is used to carry reference symbols to notes which are listed in an SNL under the heading "Notes". Note symbols may be of letter, W; of symbol % or nine; or of SNL Number, G-502, type. Items symboled by an SNL number are not necessarily so stored, issued, requisitioned and reviewed. The SNL number symbol indicates where further usage of the item may be found. Where numbers without an SNL prefix occur as the stock number, the SNL number in the note symbol column indicates the SNL where the item is stored, issued, requisitioned and reviewed.

SPECIAL INFORMATION

MAJOR ITEM DESIGNATION: The major item covered by this pamphlet is designated as a combat vehicle as defined in paragraph 3, AR 850-15, dated 28 August 1943.

ORDNANCE OR MANUFACTURER PART NUMBER AND ORDNANCE OR MANUFACTURER DRAWING NUMBER: In columns 4 and 5 manufacturers' numbers will always appear in parentheses. When more than one number applies to the same part, all except the first will be indented.

COMPONENTS OF KITS, SETS AND ASSEMBLIES: Whenever any doubt might exist as to the components of an assembly, an explanatory statement or a complete listing of components is furnished. For all KITS and SETS a complete listing of components is given. Wherever separate items are shown which are also part of a KIT or SET that fact is stated following the nomenclature of the separate item.

ATTACHING PARTS: Attaching parts such as bolts, nuts, rivets, screws and washers are indented immediately under the part or assembly which they attach. Whenever two similar items, such as right and left cylinder heads, optional generators, two fuel tanks, superseding spring assemblies, etc., have the same attaching parts, the attaching parts are listed only after the last of the similar parts. The quantities shown for the attaching parts are for both right and left cylinder heads, or only one of the optional generators, etc.

ILLUSTRATIONS: This pamphlet contains various illustrations to aid the user in locating and identifying parts. These are so placed as to be convenient for reference in connection with the text. For each part identified on an illustration the noun, part number and group number of the item is given. An index of illustrations by number, title and page is included with other indexes at the back of the book.

INDEXES: Complete indexes, alphabetical and numerical, are furnished at the back of the pamphlet. These indexes and contents are explained in brief paragraphs at the beginning of each index.

STOCK NUMBERS: The prefix of the SNL type stock number (i.e. G067, G502, etc.) signifies that the particular part or component was originally coded under the major item designation for the SNL and does *NOT* mean that the part is used only in that major item. All subsequent lists which include that same part will show the identical stock number.

SPECIAL INFORMATION (Cont'd)

PUBLICATIONS PERTAINING TO THIS VEHICLE:

Operator's Manual TM9-743
Maintenance Manual TM9-1743
TM9-1832A

INTERCHANGEABILITY OF COMPONENTS: Many parts and assemblies used on these vehicles are interchangeable with those on other Ordnance vehicles. Wherever possible, the manufacturer's number has been shown to assist in this interchange of parts. In addition, we list below some of the vehicles using assemblies similar to those on subject vehicle. In most cases the assemblies are not entirely interchangeable, but many details are:

ENGINE (Hercules JXD): CAR, ARMORED, T-17 (SNL G-134); Car, Scout, M3A1 (SNL G-67); Autocar U 2044; Diamond T-614 and 614 HD; Federal 2G 4 x 2 and Studebaker US6 and US 6 x 4.

GENERATOR and GENERATOR REGULATOR: Tank, Medium M4A3; Carrier, Universal, T-16.

AXLES: Half Track (White).

PILLOW BLOCK: Studebaker and GMC 2½-ton 6 x 6.

PINTLE HOOK: Tank, Medium M4.

In addition to those listed above, the following parts are interchangeable with corresponding parts on many vehicles and are best compared by their manufacturer's numbers: Universal Joints, Hydraulic Cylinders, Primer Pump, Headlights and Tailight, Fuel Pump and Fuel Filter.

IDENTIFICATION PLATES FOR VEHICLE AND PRINCIPAL COMPONENTS: Serial numbers of the vehicle and major assemblies may be found in the following locations:

Manufacturer's and Ordnance serial numbers of the vehicle may be found on the nomenclature plate located on the plate between driver's and assistant driver's door.

The engine serial number is located on a plate on the lower left side of the cylinder block, to the rear of the fuel pump.

Generator and voltage regulator serial numbers appear on the name plates of these assemblies. In these two cases, the serial number also indicates the date the part was manufactured, in the following manner: The serial number contains the letters X, Y, or Z; this indicates the year, "X" representing 1943, "Y" 1944, etc. The number preceding this letter represents the month, January being 1, June 6, etc.; for example, the serial number 7X1478 indicates the part was manufactured in July, 1943.

The serial number of the gun mount on the M-8 is stamped on the nomenclature plate on the left side of the mount, near the gunner's face.

DEFINITION OF LOCATIONAL TERMS: The words "left," "right," "front" and "rear," when used in this pamphlet are as these directions would appear from the driver's seat facing forward. Since the engine is mounted in the rear of the vehicle and drives forward to the transfer case, the flywheel end of the engine is the front end, while the timing gears are at the rear of the engine. Similarly, the main drive gear is at the rear of the transmission, while the output flange is at the front. For the same reason, the generator is on the right side of the engine, while the fuel pump is on the left.

HOW TO FIND PARTS: This catalog is arranged and cross-indexed so that parts can be found easily even though only one of the several identifying factors is known. The various ways in which parts can be located are as follows:

SPECIAL INFORMATION (Cont'd)

If the nomenclature (basic name) only is known, refer to the alphabetical index in the back of the book. This index will give the subgroup in which the part is listed. As the part names are arranged in alphabetical order within the subgroups, the complete listing of the part can readily be found.

If any one of the numbers—Ordnance, manufacturers' or stock—is known, refer to the appropriate numerical index in the back of the book. This index will give the subgroup number in which the part is listed. By checking in the appropriate number column in that subgroup, the complete listing of the part can readily be found.

If the use, function or location, of the part is known, refer to the illustration index to determine on which the part in question is most likely to appear. Then turn to the proper illustration and pick the proper part from which reference to the proper nomenclature, part and stock number, etc. can be determined. Also reference to the standardized government grouping immediately following this explanation will be of help in selecting parts upon a functional basis.

Notice of discrepancies or suggested changes should be directed to Office Chief of Ordnance-Detroit, Maintenance Division, Military Publications Branch, SPOMM-BM, Detroit 32, Michigan.

MANUFACTURERS' IDENTIFICATION SYMBOLS

Listed below are the symbols used as prefixes to the manufacturers' part and drawing numbers appearing in this book. The symbol indicates the manufacturer whose part number is used for each item.

Symbol	Manufacturer	Address
AB	Aetna Ball Bearing Mfg. Co.	4600 Schubert Ave., Chicago 39, Ill.
AC	AC Spark Plug Division (GMC)	1300 N. Dort Hgywy., Flint 2, Mich.
AD	Alemite Div. (Stewart-Warner Corp.)	1826 Diversey Pkwy., Chicago 14, Ill.
AL	Electric Auto-Lite Co. (The)	Main P.O. Box 931, Toledo 1, O.
AMC	American Stamping Co.	310 E. Burnham St., Battle Creek, Mich.
BW	Budd Wheel Co.	12141 Charlevoix Ave., Detroit 14, Mich.
BX	Bendix Products Div. (Bendix Aviation Corp.)	401 Bendix Drive, South Bend 20, Ind.
CM	Chicago Rawhide Mfg. Co.	1303 Elston Ave., Chicago 22, Ill.
CP	Champion Spark Plug Co.	900 Upton Ave., Toledo 1, O.
CS	Culver-Stearns Mfg. Co.	53 Crafton St., Worcester 8, Mass.
DLM	Dill Mfg. Co.	700 E. 82nd St., Cleveland 8, O.
DM	Douglas Mfg. Co., H. A.	Bronson, Mich.
DN	Donaldson Co., Inc.	666 Pelham St., St. Paul 4, Minn.
DV	Dole Valve Co. (The)	1901 Carroll Ave., Chicago 12, Ill.
ECM	Eclipse Machine Div. (Bendix Aviation Corp.)	Elmira, N.Y.
FAF	Fafnir Bearing Co. (The)	Booth St., New Britain, Conn.
FB	Federal Bearing Co., Inc.	Poughkeepsie, N.Y.
FE	Federal Electric Co.	8700 S. State St., Chicago, Ill.
FM	Ford Motor Co.	3000 Schaefer Rd., Dearborn, Mich.
FR	Fram Corp.	55 Pawtucket Ave., Providence 16, R.I.
FSP	Firestone Steel Products Co. (The)	Firestone Pkwy., Akron 1, O.
GEM	Gemmer Mfg. Co.	6400 Mt. Elliot St., Detroit 11, Mich.
HC	Cole-Hersee Co.	54 Old Colony Ave., S. Boston 27, Mass.
HM	Hercules Motors Corp.	201, 11th S.E., Canton 2, O.
HOL	Holley Carburetor Co.	5930 Vancouver Ave., Detroit 4, Mich.
HUL	Hull Mfg. Co.	P.O. Box 246, Warren, O.
HY	Hyatt Bearings Div. (GMC)	P.O. Box 71, Harrison, N.J.
IWC	Industrial Wire Cloth Products Corp.	29274 Brush St., Wayne, Mich.
KHW	Kelsey Hayes Wheel Co.	3600 Military Ave., Detroit 32, Mich.
KS	King Seeley Corp.	316 S. 1st St., Ann Arbor, Mich.
LMD	Long Mfg. Div. (Borg-Warner Corp.)	12501 Dequindre, Detroit 12, Mich.
LO	Wagner Electric Corp.	6400 Plymouth Ave., St. Louis 14, Mo.
MRC	Marlin-Rockwell Corp.	402 Chandler St., Jamestown 55, N.Y.
ND	New Departure Div. (GMC)	Bristol, Conn.

MANUFACTURERS' IDENTIFICATION SYMBOLS (Cont'd)

Symbol	Manufacturer	Address
NMB	National Motor Bearing Co., Inc.	P.O. Box 1030, Redwood City, Calif.
NP	New Process Gear, Inc.	500 Plum St., Syracuse 1, N.Y.
RBM	R.B.M. Manufacturing Co.	1601 Wall St., Fort Wayne 6, Ind.
SC	Signal Corps	
SK	Shakeproof Lock Washer Co.	2501 N. Keeler Ave., Chicago 39, Ill.
SP	Spiecer Mfg. Corp.	4100 Bennet Rd., Toledo 1, O.
SPR	Sprague Specialties Co.	Bever St., North Adams, Mass.
SW	Stewart-Warner Corp.	1828 Diversey Pkwy., Chicago 14, Ill.
SX	Seeburg Corp., J. P.	1510 Dayton St., Chicago 22, Ill.
SZ	Schwitzer Cummins Co.	1125 Massachusetts Ave., Indianapolis, Ind.
TC	Twin Disc Clutch Co.	1328 Racine St., Racine, Wis.
TD	Timken-Detroit Axle Co.	100-400 Clark Ave., Detroit 32, Mich.
TIM	Timken Roller Bearing Co. (The)	1935 Kelley Ave., Canton, O.
TP	Thompson Products, Inc.	2196 Clarkwood Rd., Cleveland 3, O.
TR	Torrington Co. (The)	59 Field St., Torrington, Conn.
UC	United Car Fastener Corp.	31 Ames St., Cambridge 42, Mass.
UTS	United Specialties Co.	9705 S. Cottage Grove Ave., Chicago 28, Ill.
WG	Warner Gear Div. (Borg-Warner Corp.)	1108 E. Seymour St., Muncie, Ind.
WH	Weatherhead Co. (The)	300 E. 131 St., Cleveland 8, O.
WX	Western Mfg. Co.	3428 Scotten Ave., Detroit 10, Mich.
Z	Zenith Carburetor Div. (Bendix Aviation Corp.)	696 Hart Ave., Detroit 14, Mich.

LIST OF ABBREVIATIONS

The following is a list of the standard abbreviations appearing in this catalog.

alloy-S .... alloy steel
Am. pipe .... American pipe
amp. .... ampere
A.R. .... as required
bab. .... babbitt
b-hd. .... button head
brght .... bright
br. .... brass
bz. .... bronze
cd. .... cadmium
chr. .... chrome
ck. .... countersunk
contd. .... continued
cp. .... candle-power
c-pin .... cotter pin
dld. .... drilled
diam. .... diameter
fil. .... fillister
fil-hd. .... fillister-head
fl. .... flat
ft. .... foot
f/ .... for
f/lkg. .... for locking
glvd. .... galvanized
hdls. .... headless
hd. .... head
hex. .... hexagon
hex-hd. .... hexagonal head
hv. .... heavy
ID .... inside diameter
in. .... inch
lgh. .... length
lgt. .... light
lkg. .... locking
lb. .... pound
LH .... left hand
mach. .... machine
mfd. .... microfarad
M.I. .... malleable iron
mm. .... millimeter
m-screw .... machine screw
mtg. .... mounting
NC .... National Coarse
NF .... National Fine
NEF .... National Extra Fine
NP .... National Pipe
NS .... National Form Special
NPT .... National Pipe Thread
ni. .... nickel
No. .... number
oz. .... ounce
OD .... outside diameter
pl. .... plain
pltd. .... plated
pt. .... point
RH .... right hand
reg. .... regular
rd. .... round
rd-hd. .... round-head
rds. .... rounds
req. .... required
SAE .... Society of Automotive Engineers
std. .... standard
S. .... steel
sq. .... square
s-fin. .... semi-finished
stght. .... straight
thd. .... thread
thk. .... thick
T. .... teeth
unfin. .... unfinished
USF .... United States Fine
USS .... United States Standard
spec. .... specification
w/ .... with
w/o .... without
zn. .... zinc

STANDARDIZED GOVERNMENT GROUPING

The parts listed in this pamphlet are arranged by groups and subgroups and alphabetically within these groups. Parts are grouped primarily on the basis of their function. This arrangement facilitates location and selection of parts. See "How To Find Parts" immediately preceding.

01 ENGINE ASSEMBLY

0100 Engine Assembly
0101 Engine Block, and Cylinder Head
0102 Engine Crankshaft and Bearings
0103 Flywheel
0104 Pistons, Piston Rings, Piston Pins, Connecting Rods, Connecting Rod Bearings
0105.1 Valves, Valve Springs, Valve Guides
0105.2 Valve Lifters, Valve Lifter Guides
0105.3 Camshaft, Camshaft Bearings
0105.5 Timing Gears
0106.1 Engine Oil Pump and Relief Valve
0106.2 Engine Oil Filter
0106.5 Engine Oil Filler Crankcase Ventilator
0106.6 Engine Oil Pan, Engine Oil Gage and Pressure Sending Unit
0108 Engine Manifold

02 CLUTCH

0200 Clutch Assembly
0201 Engine Clutch, Disc, Pressure Plate and Bearing
0202 Engine Clutch Linkage
0203 Engine Hydraulic Clutch Control

03 FUEL SYSTEM

0301 Engine Carburetor
0302 Engine Fuel Pump
0304 Engine Air Cleaner
0306 Engine Fuel Tank
0309 Engine Fuel Filter
0311 Engine Fuel Primer
0312 Engine Carburetor Hydraulic Throttle Control and Engine Carburetor Automatic Choke

04 EXHAUST SYSTEM

0401 Engine Exhaust Muffler

05 COOLING SYSTEM

0501 Radiator
0502 Radiator Mountings
0503 Radiator Fittings
0504 Engine Water Pump
0505 Engine Fan Drive, Belts, Pulleys

06 ELECTRICAL

0601 Generator
0602 Regulator, Generator Assembly
0603 Engine Cranking Motor
0604.1 Ignition Distributor
0605 Ignition Coil, Spark Plugs, Ignition Switch, Ignition Wiring
0607 Instrument Panel, Instruments, Gages, Lights Lamps and Instrument Wiring
0608 Switches, Terminals, Junction Boxes, Circuit Breaker
0609.1 Head, Tail and Marker Lights, Lamps, Lamp Units
0609.2 Auxiliary Lights
0611 Siren and Switches
0612 Battery, Battery Cables
0613.1 Hull and Chassis Wiring

07 TRANSMISSION

0700 Transmission Assembly
0702.1 Transmission Main Drive Gear, Bearings, Spacers
0702.2 Transmission Main Shaft, Gears, Bearings, Spacers
0702.3 Transmission Countershaft, Reverse Idler, Gears, Bearings, Spacers
0704 Transmission, Shifter Controls
0706.1 Transmission Oil Pump

08 TRANSFER CASE

0800 Transmission Transfer Assembly
0801 Transmission Transfer Case, Covers, Gaskets, Seals, Caps and Retainers
0802.1 Transmission Transfer Case, Input or Drive Shaft, Gears, Bearings, Spacers
0802.2 Transmission Transfer Case, Idler Shafts, Gears, Bearings, and Spacers
0802.3 Transmission Transfer Case, Output, Main or Drive Shaft, Gears, Bearings, and Spacers
0804 Transmission Transfer Case, Gearshift Levers, Rails, Rods, Yokes and Forks

09 PROPELLER SHAFTS

0900 Propeller Shaft and Universal Joint, Assembly and Parts, Includes Carrier and Pillow Blocks

10 FRONT AXLE

1000 Front Axle, Assembly
1001 Front Axle Housing, Plugs and Gaskets
1002 Front Axle, Gears, Shafts and Bearings
1004 Front Axle Steering Knuckles
1006 Front Axle, Universal Joint, Shaft and Flange

11 REAR AND INTERMEDIATE AXLE

1100 Rear Axle, Assembly
1100 Intermediate Axle, Assembly
1101 Intermediate Axle Housing
1101 Rear Axle, Housing
1102 Rear Axle Gears, Pinions, Carriers and Bearings
1102 Intermediate Axle Gears, Pinions, Shafts, Carrier and Bearings

12 BRAKES

1201 Hand Brake System
1202 Service Brake, Shoe and Linings
1204.1 Hydraulic Brake Master Cylinder
1204.2 Hydraulic Brake Wheel Cylinder
1204.3 Hydraulic Brake Line and Fittings
1205 Hydrovac System

13 WHEELS, HUBS AND DRUMS

1311 Wheel Assembly, Bearings, Studs and Nuts
1312 Hubs and Drums
1313 Tires and Tubes

14 STEERING

1401.1 Steering Connecting Rod
1401.2 Steering Tie Rod
1401.3 Steering Gear Assembly

15 FRAME AND BRACKETS

1503 Pintle and Towing Attachments

16 SPRING AND SHOCK ABSORBERS

1601 Springs, Spring Bumpers, Shackles and Attaching Parts
1604 Shock Absorbers
1605 Rear Axle Spring Seat, Radius Rods, Torque Rods

17 FENDERS AND SHEET METAL PARTS

1701 Fenders and Sand Guards
1702 Engine Side Pans

18 HULL

1803.1 Hull Exterior, Doors, Hatches, Seals, Lock, Etc.
1803.2 Protectoscope
1806 Seats
1808 Stowage Racks

19 TURRET

1901.1 Turret Rollers
1901.3 Turret Seats
1905.1 Turret Hand Traversing Mechanism
1906 Turret Stowage, Rack, Boxes and Straps

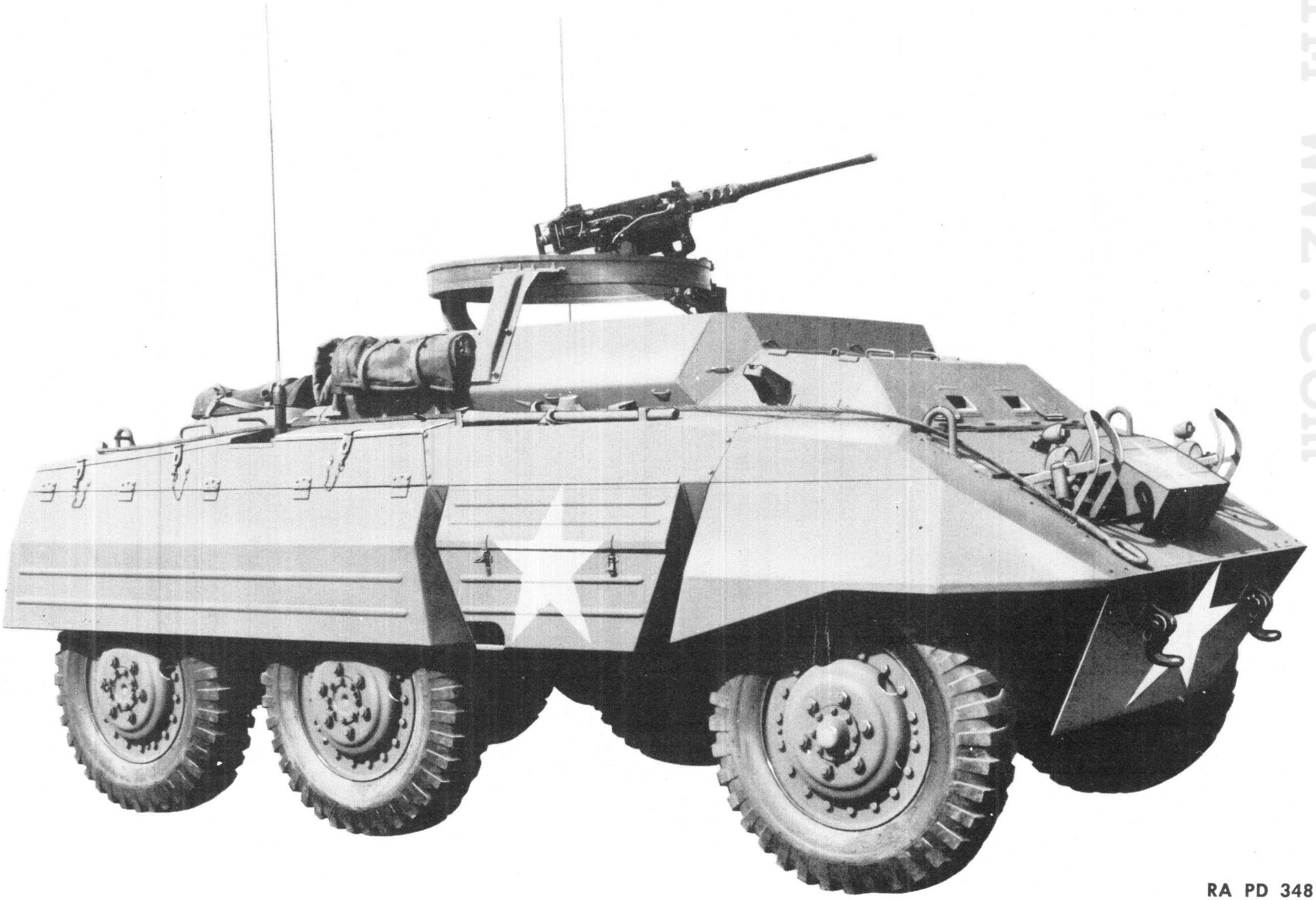
22 ACCESSORIES

2201 Tarpaulin and Cover
2202 Windshield Wiper and Accessories
2208.1 Speedometer and Parts
2209 Compass



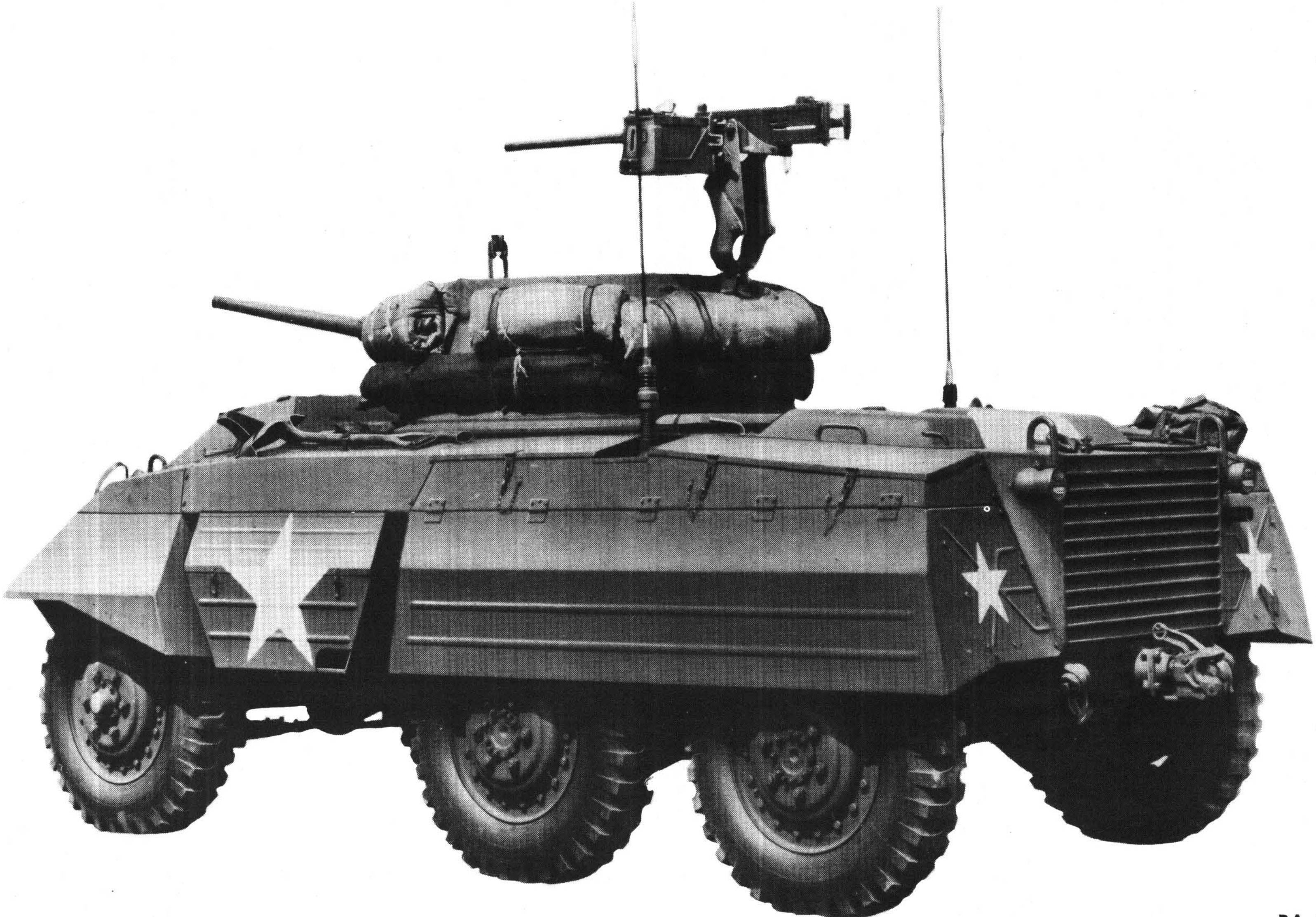
RA PD 348196

FIGURE A—CAR, ARMORED, LIGHT, M-8 (¾ RIGHT FRONT VIEW)



RA PD 348197

FIGURE B—CAR, ARMORED, UTILITY, M-20 (3/4 RIGHT FRONT VIEW)



RA PD 348198

FIGURE C—CAR, ARMORED, LIGHT, M-8 (¾ LEFT REAR VIEW)

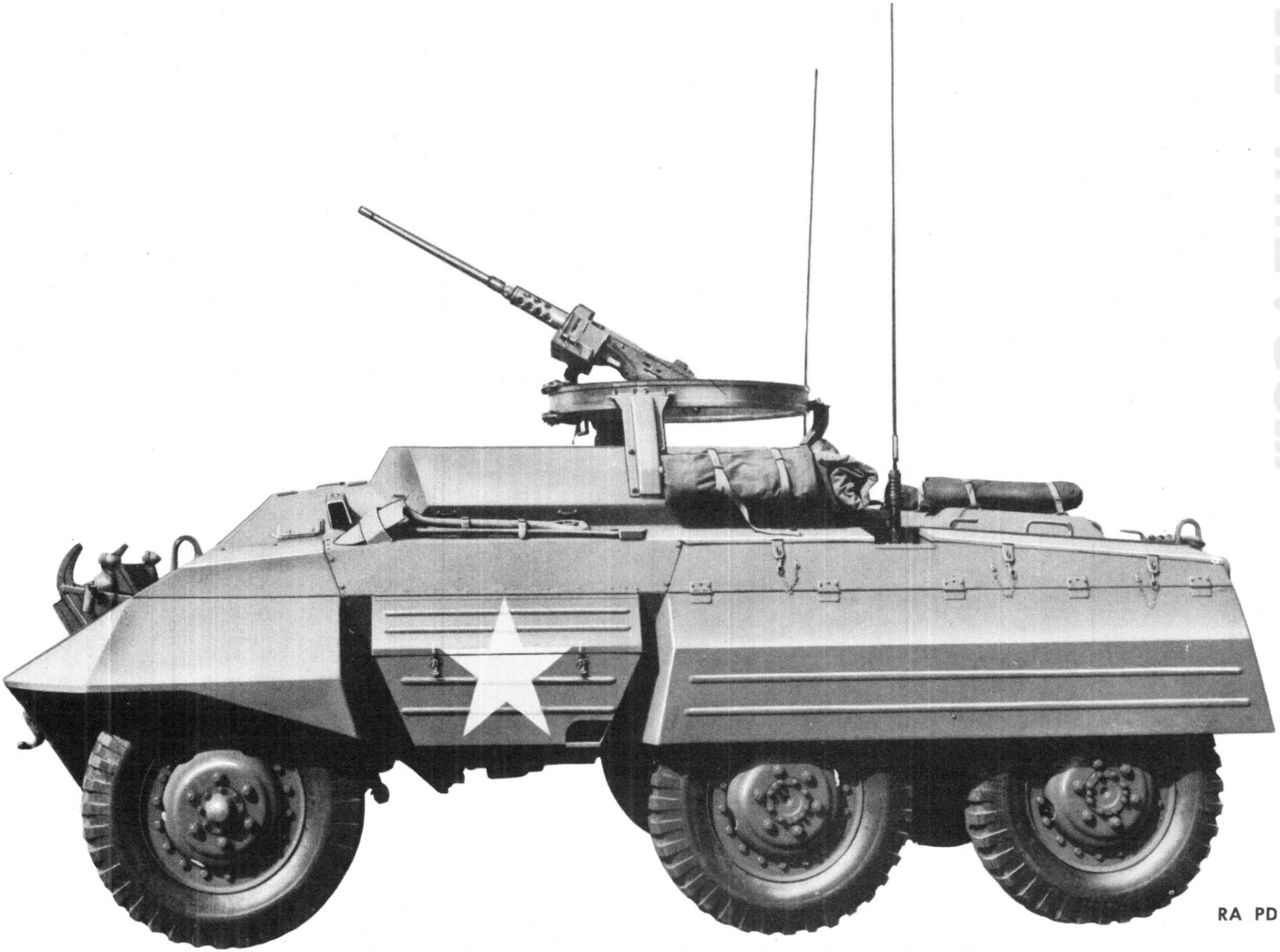


FIGURE D—CAR, ARMORED, UTILITY, M-20 (LEFT SIDE VIEW)

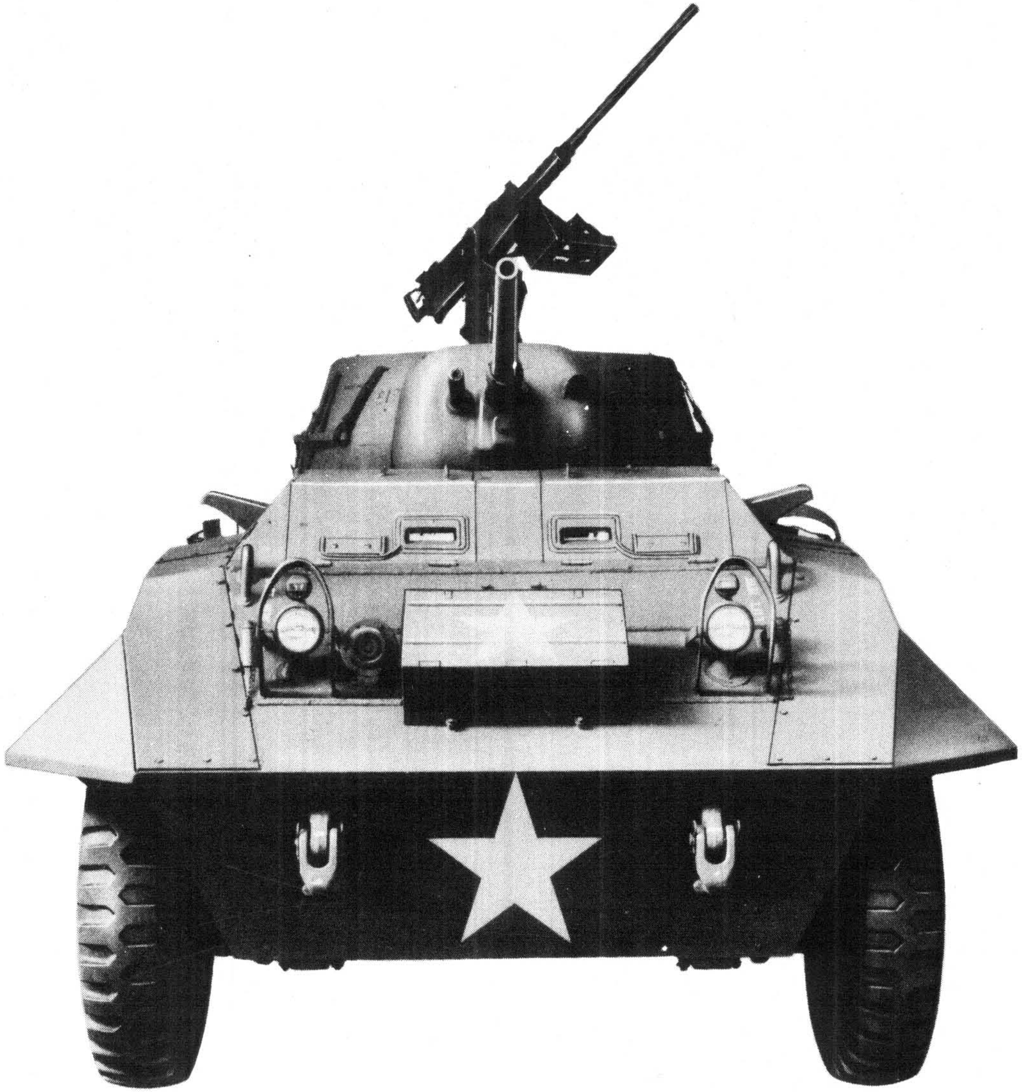


FIGURE E—CAR, ARMORED, LIGHT, M-8—(FRONT VIEW)



FIGURE F—CAR, ARMORED, UTILITY, M-20 (FRONT VIEW)

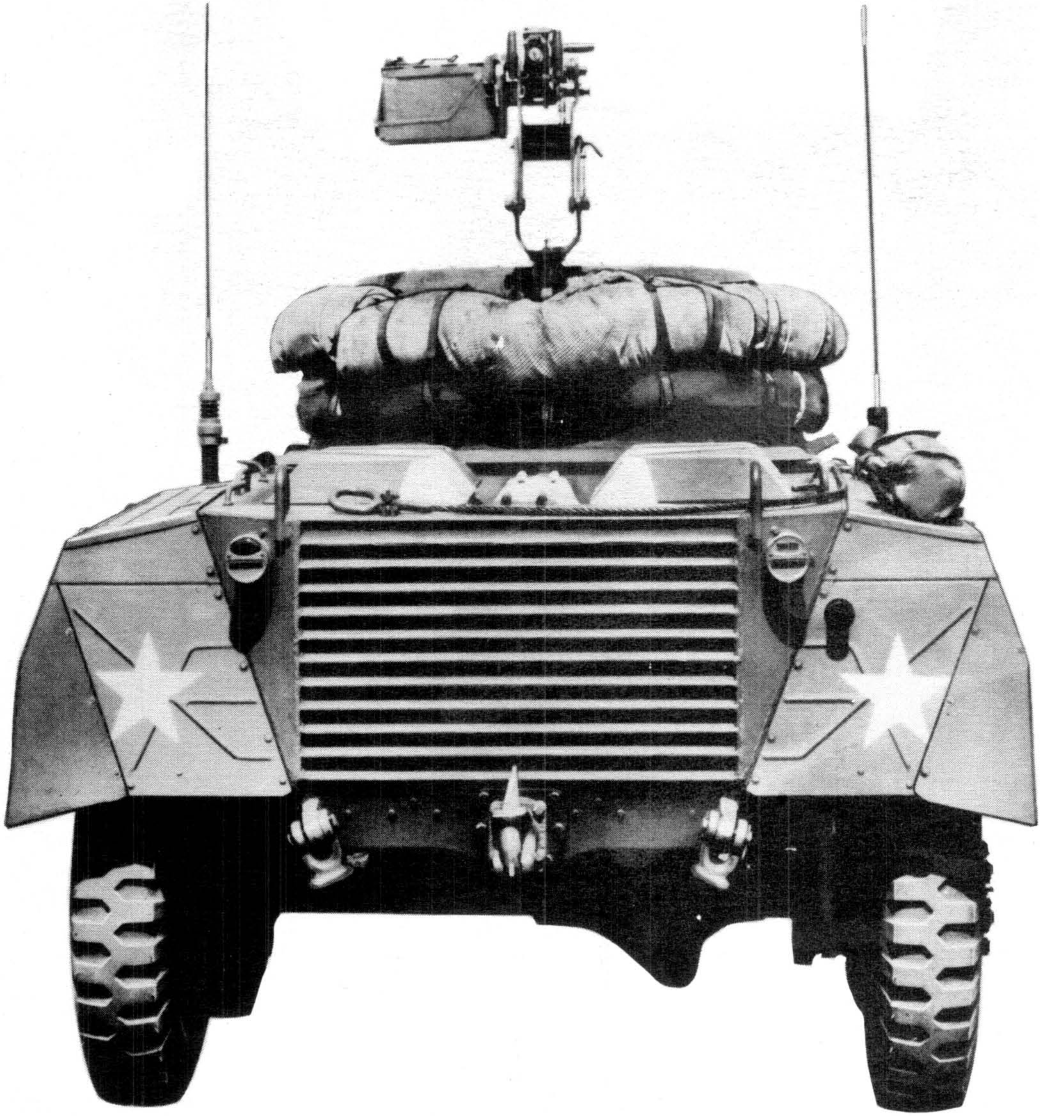
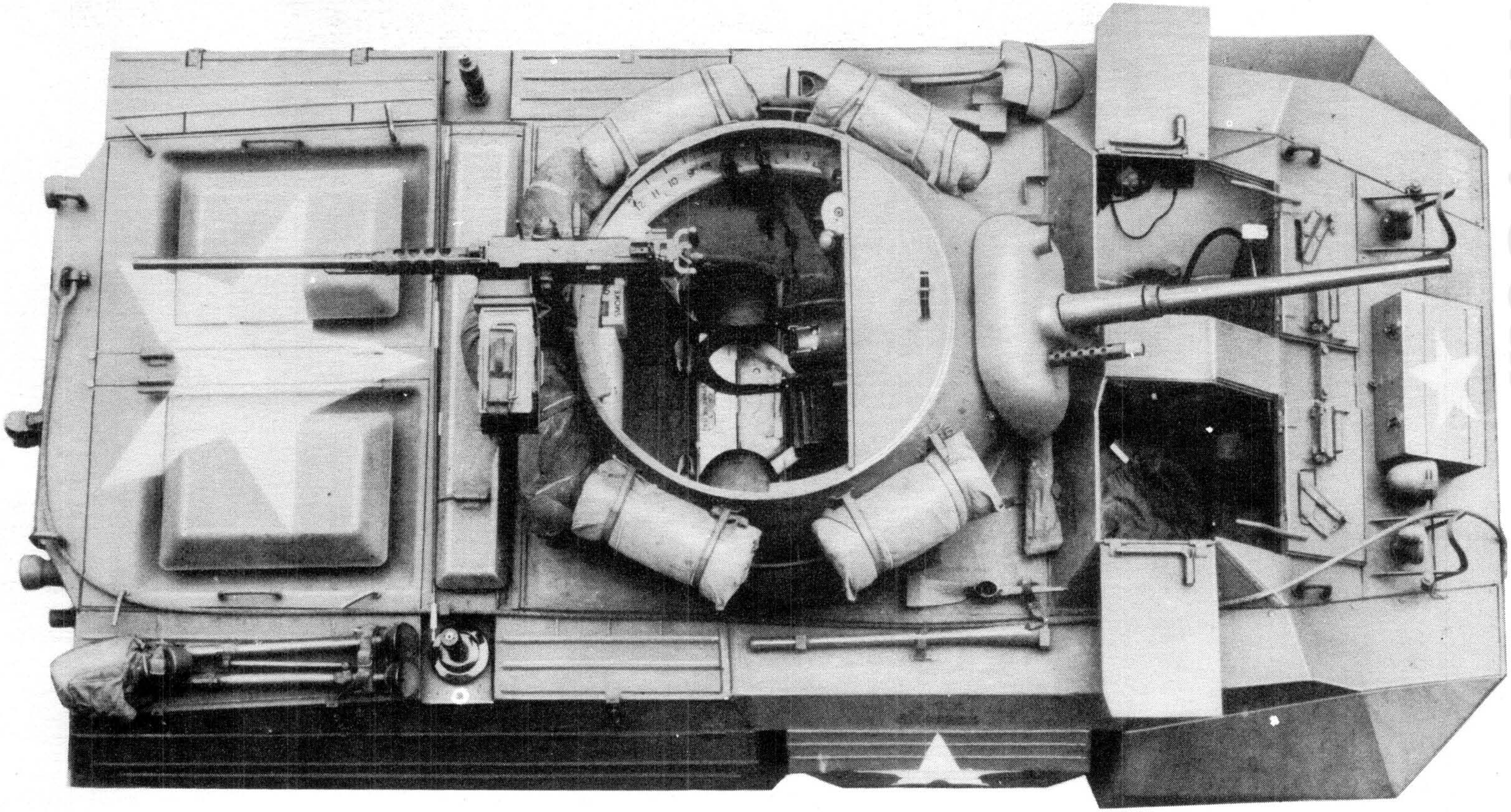


FIGURE G—CAR, ARMORED, LIGHT, M-8 (REAR VIEW)



FIGURE H—CAR, ARMORED, UTILITY, M-20 (REAR VIEW)



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FIGURE J—CAR, ARMORED, LIGHT, M-8 (TOP VIEW)

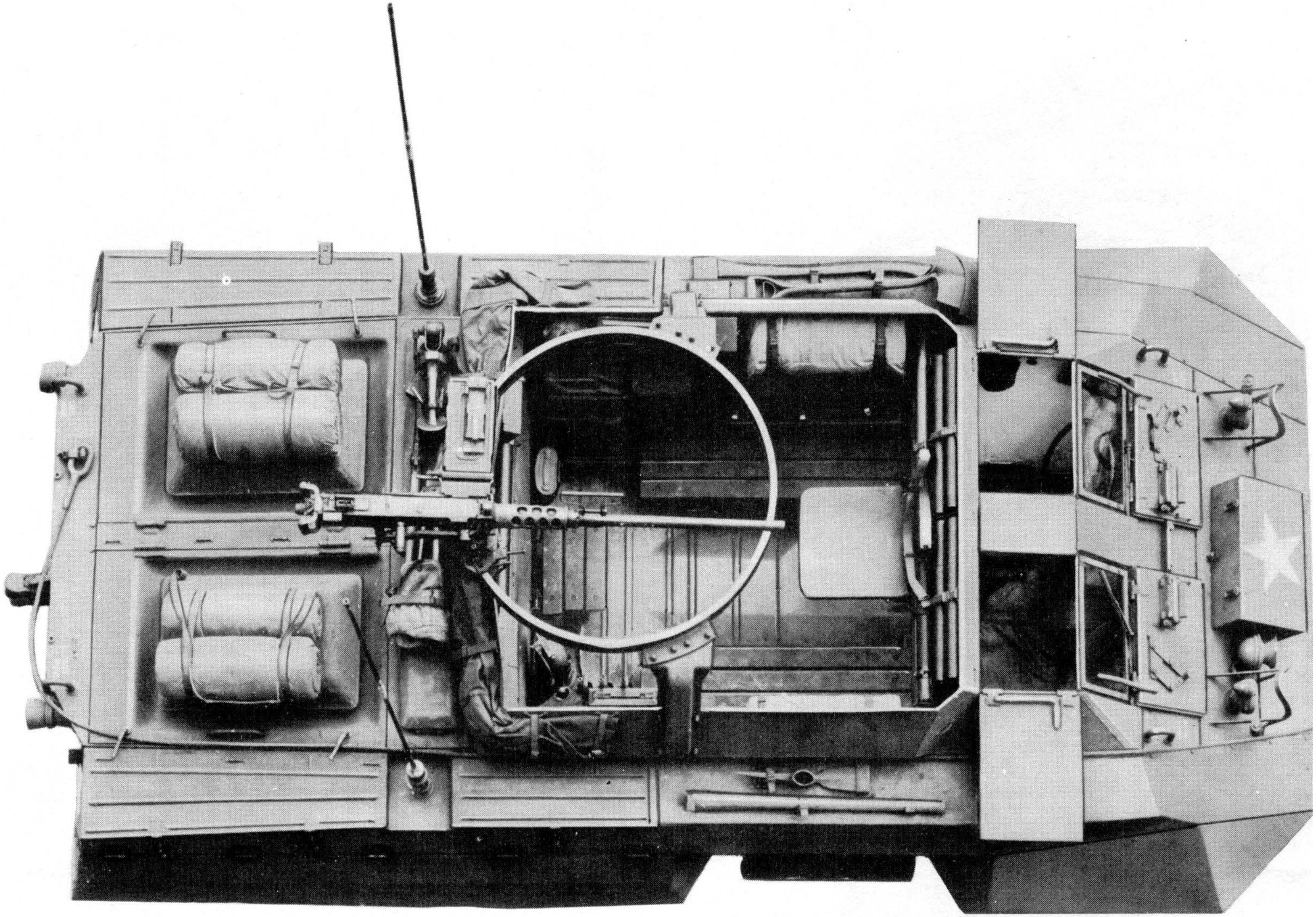
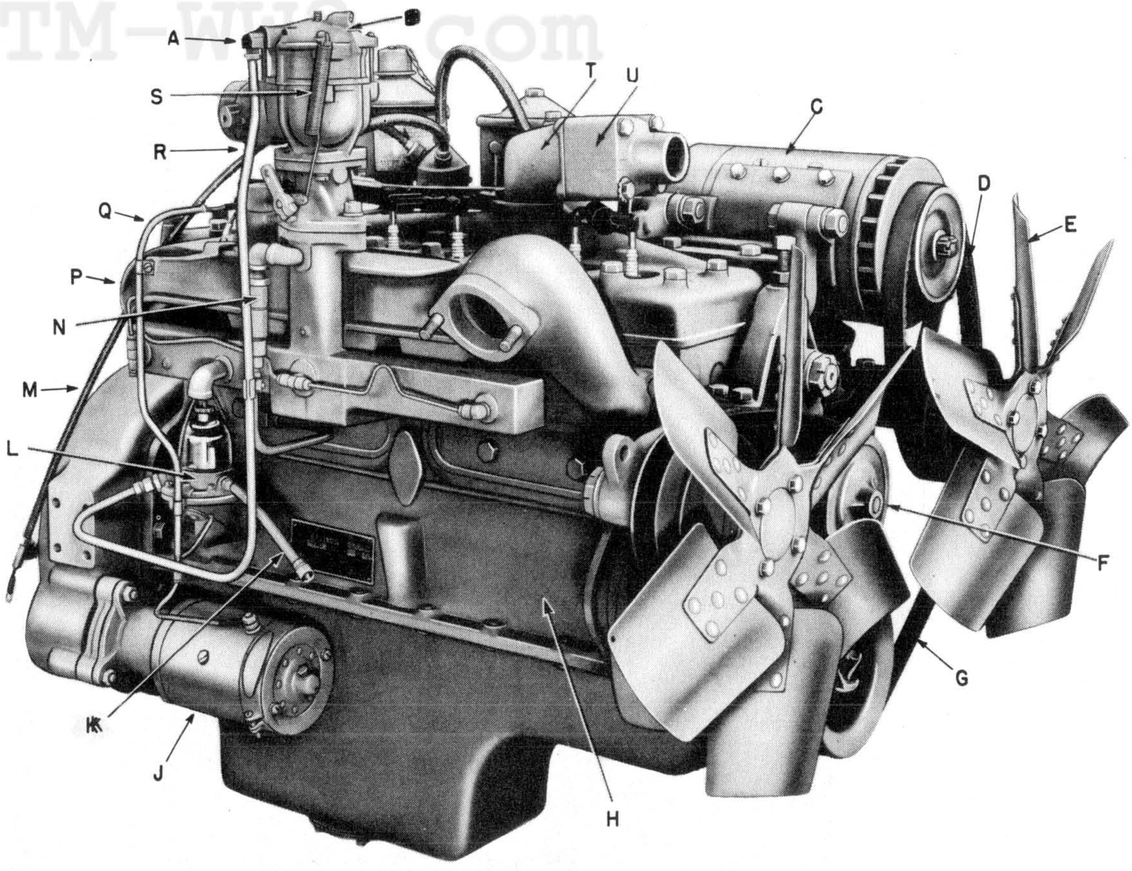


FIGURE K—CAR, ARMORED, UTILITY, M-20 (TOP VIEW)

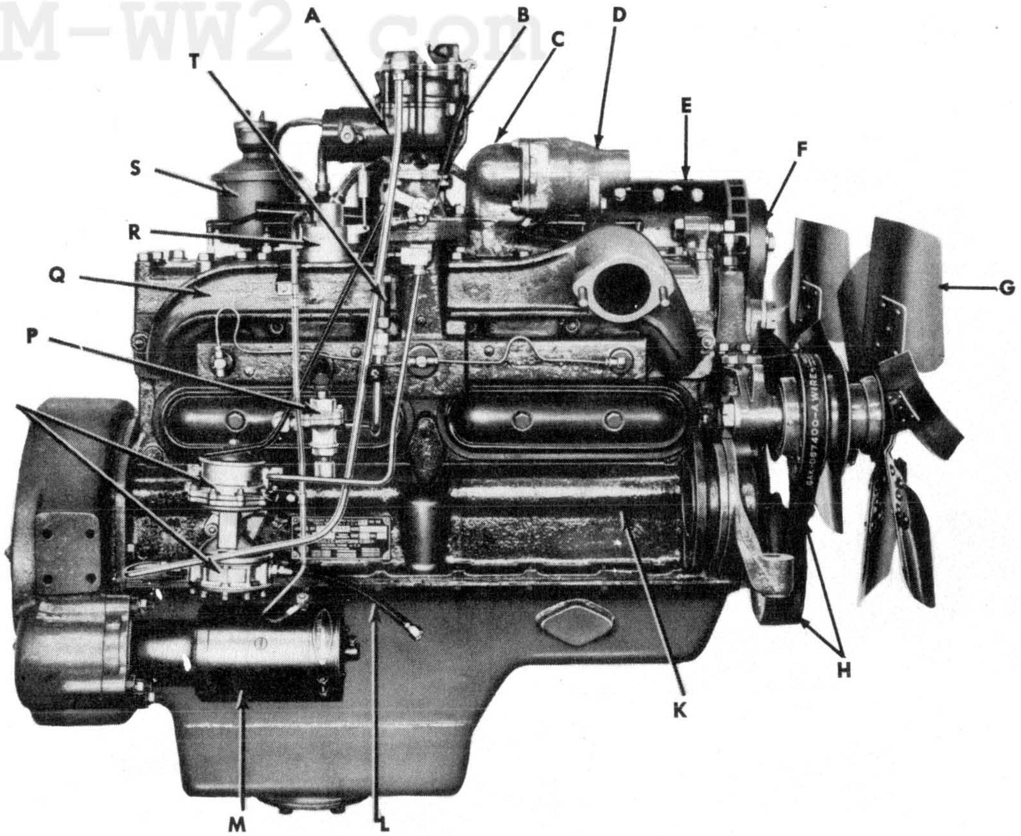


RA PD 28482

FIGURE 01-1—HERCULES ENGINE (LEFT REAR VIEW) (OLD MODEL)

Key	*Item*	*Part No.*	*Group No.*
A	ELBOW	A276949	0301
B	CARBURETOR (See Figure 03-2)	C118305	0301
C	GENERATOR (See Figure 06-1)	D67368-A	0601
D	BELT	D67400-C	0601
E	BLADE, assembly	D67361	0505
F	PULLEY, w/BRACKET (See Figure 05-3)	C118318	0505
G	BELT	D67400-A	0505
H	BLOCK (See Figure 01-5)	HM-42921-E	0101
J	MOTOR, cranking (See Figure 06-6)	B248694	0603
K	LINE	A284081	0306
L	PUMP (See Figure 03-4)	C118130	0302
M	WIRE, w/CONDUIT	A284153	0605
N	VALVE	B247031	0106.5
P	MANIFOLD	HM-42058-E	0108
Q	WIRE, w/CONDUIT	B247448	0312
R	LINE	B248737	0306
S	SPRING	A283420	0301
T	PIPE, water outlet	HM-42749-B	0503
U	HOUSING, thermostat	HM-42766-C	0503

RA PD 28482C

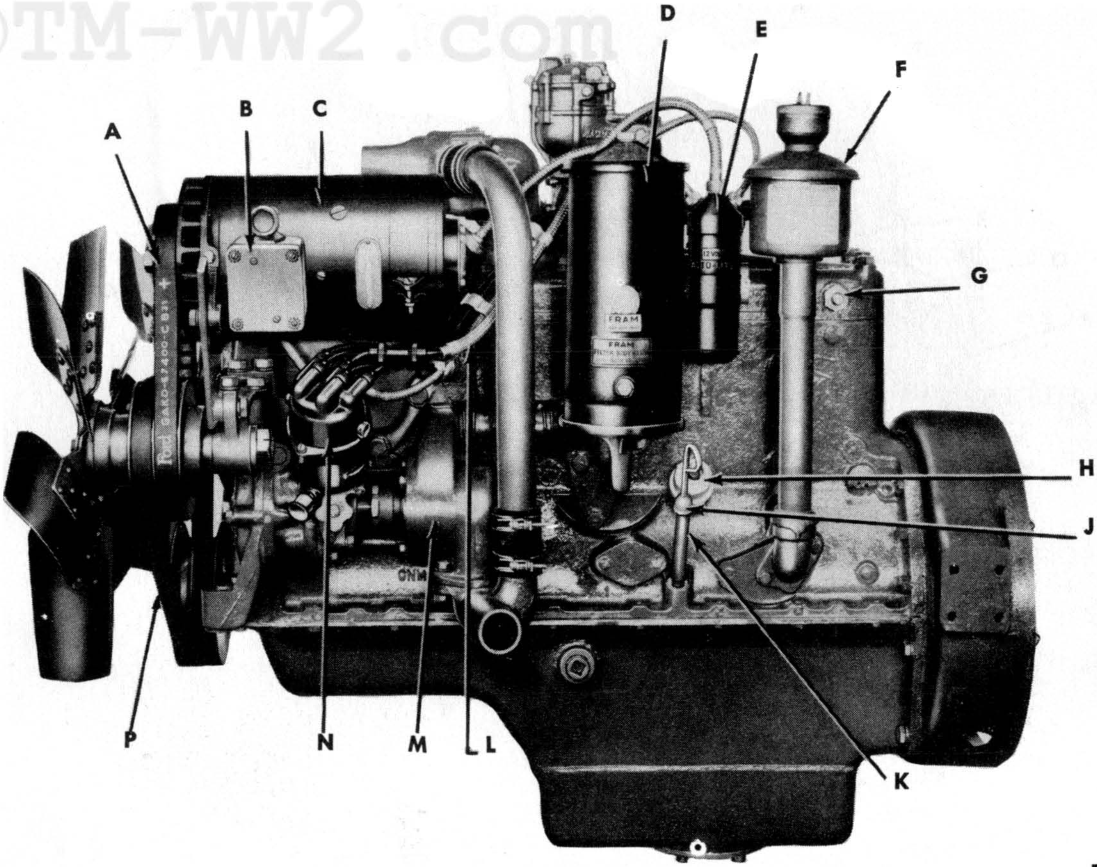


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FIGURE 01-2—HERCULES ENGINE (LEFT SIDE VIEW) (NEW MODEL)

Key	Item	Part No.	Group No.
A	CARBURETOR, assembly	C118305	0301
B	SPRING, retracting	A283420	0301
C	PIPE, water outlet	HM-43700-B	0503
D	HOUSING, thermostat	HM-43702-C	0503
E	GENERATOR (Auto Lite) (See Figure 06-2)	B249017	0601
F	BELT	D67400-C	0601
G	BLADE, assembly	D67361	0505
H	BELT	D67400-A	0505
K	BLOCK	HM-42921-E	0101
L	LINE	A284081	0306
M	MOTOR, cranking	B248694	0603
N	PUMP, vacuum and fuel	7059286	0302
P	VALVE, hydrovac	A303408	1205
Q	MANIFOLD	HM-42058-E	0108
R	CHOKE, automatic	B248862	0312
S	BREATHER, crankcase	B248975	0106.5
T	VALVE, crankcase ventilator	B247031	0106.5

RA PD 348206C

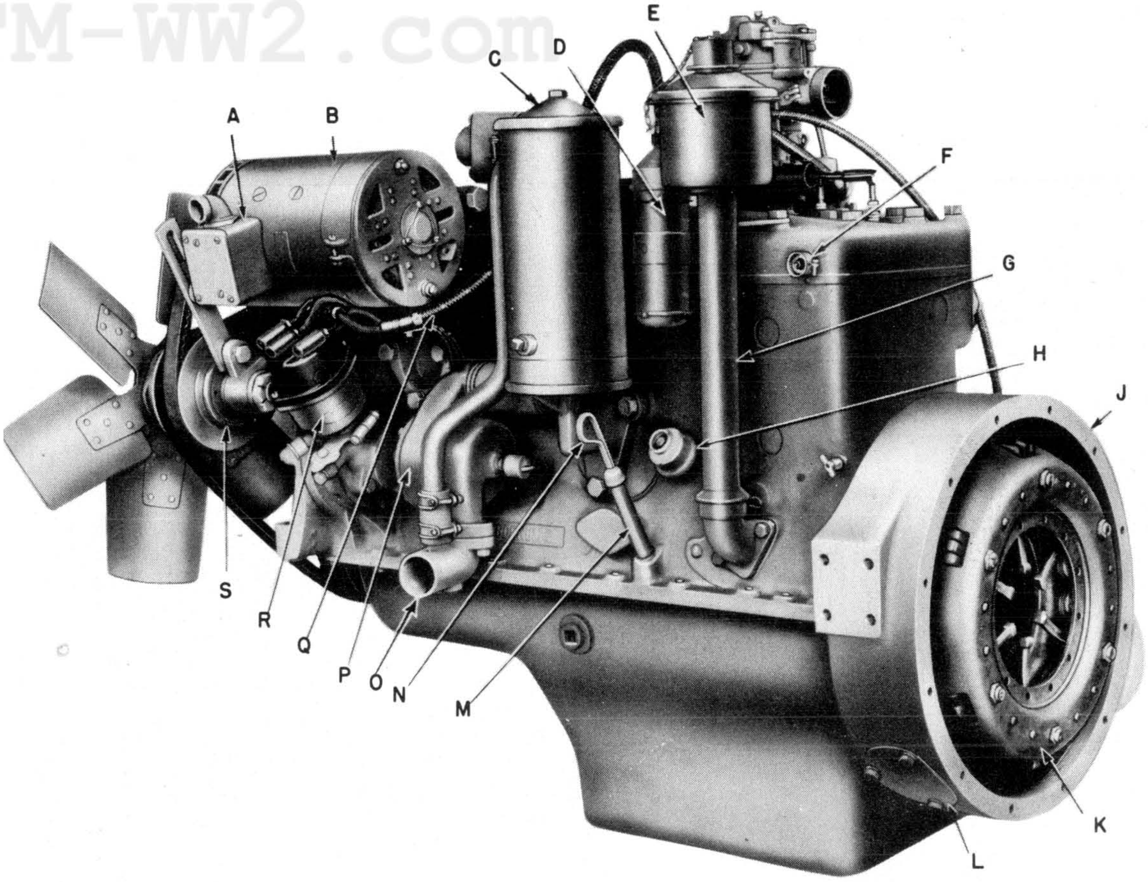


RA PD 348207

FIGURE 01-3—HERCULES ENGINE (RIGHT SIDE VIEW) (NEW MODEL)

Key	Item	Part No.	Group No.
A	BELT	D67400-C	0601
B	BOX, junction	B248891	0601
C	GENERATOR (See Figure 06-2)	B249017	0601
D	FILTER, oil	HM-42842-DS	0106.2
E	COIL	B248695	0605
F	BREATHER, crankcase	B248975	0106.5
G	UNIT, sending, temperature	A297237	0503
H	UNIT, sending, oil pressure	A277690	0106.6
J	INDICATOR, oil level	HM-42423-BS	0106.6
K	TUBE, oil level	HM-43376-B	0106.6
L	CONDUIT, w/CABLES	A284132	0605
M	PUMP, water	C65948	0504
N	DISTRIBUTOR	B246885	0604.1
P	BELT	D67400-A	0505

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FIGURE 01-4—HERCULES ENGINE (RIGHT FRONT VIEW) (OLD MODEL)

Key	Item	Part No.	Group No.
A	BOX	B248891	0601
B	GENERATOR (See Figure 06-1)	D67368-A	0601
C	FILTER (See Figure 01-10)	HM-42842-DS	0106.2
D	COIL	B248695	0605
E	BREATHER	B246904	0106.5
F	UNIT, sending, water temperature	A283078	0503
G	TUBE	HM-42690-CS	0106.6
H	UNIT, sending, oil pressure	B246995	0106.6
J	HOUSING (See Figure 01-5)	HM-23455-E	0103
K	PLATE	C117305	0201
L	COVER	HM-42911-A	0103
M	TUBE	HM-40140-A	0106.6
N	INDICATOR	HM-42389-BS	0106.6
O	PIPE, water pump inlet	HM-42748-B	0503
P	PUMP (See Figure 05-2)	C65948	0504
Q	CONDUIT, w/CABLES	C118119	0605
R	DISTRIBUTOR (See Figure 06-7)	B246885	0604.1
S	PULLEY, w/HUB (See Figure 05-3)	D67398-C	0505

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 01—ENGINE		
					0100—ENGINE ASSEMBLY, ENGINE MOUNTINGS		
	G136-0170339		A294679	A294679	ENGINE, w/ACCESSORIES, assembly (Hercules Model JXD HM-42910-DS).	1	
					(Includes the following accessories:		
	G103-1518253		D67400-C	D67400	1–BELT, drive, battery charging generator		
	G103-1518303		D67400-A	D67400	1–BELT, drive, engine fan		
	G136-0122200		D67361	D67361	2–BLADE, engine fan, assembly		
					1–SET, primer lines and fitting mounted on manifold		
					(Consists of:		
	G170-0311277		A296725	A296725	1–ELBOW, intake manifold rear fuel primer line		
	G136-0407951		A284078	A284078	1–LINE, tubing, $\frac{1}{8}$ x $8\frac{13}{16}$, engine intake manifold primer line, front, assembly		
	G136-0407950		A284077	A284077	1–LINE, tubing, $\frac{1}{8}$ x $8\frac{3}{8}$, engine intake manifold primer line, rear, assembly		
	G136-0398494		A296726	A296726	1–TEE, engine intake manifold fuel primer line, front)		
	G176-6248975		B248975	B248975	1–BREATHER, engine oil filler tube		
			(IWC-A-10535)				
	G134-0131584		C118305	C118305	1–CARBURETOR, engine, assembly		
			(ZC-29-WX-2)				
	G136-0135735		C118331	C118331	1–CHOKE, automatic, engine, assembly		
	G136-0135720		B248862	B248862	1–CHOKE, automatic, engine carburetor, assembly (12 volt)		
			(HOL-64R-38-A)				
	G134-0138795		B248695	B248695	1–COIL, engine ignition, assembly		
	G136-0152030		C118040	C118040	1–DISC, driven, engine clutch, w/FACINGS, assembly		
			(LMD-CM-5556)				
	G134-0152015		B246885	B246885	1–DISTRIBUTOR, engine ignition, assembly		
			(AL-IAC-4003)				
	G136-0178301		D67398-A	D67398	1–HUB, engine fan, right, w/PULLEY and BRACKET, assembly		
	G136-0178300		D67398-B	D67398	1–HUB, engine fan, left, w/PULLEY and BRACKET, assembly		
	G136-0194225		(HM-42389-BS)		1–INDICATOR, engine oil level, assembly		
	G136-0183052		(HM-42842-DS)		1–FILTER, oil, engine, assembly		
	G134-0194062		B246995	B246995	1–GAGE, engine oil pressure unit		
	G134-0196300		D67368	D67368	1–GENERATOR, battery charging, w/PULLEY		
	G134-0196300		B249017	B249017	1–GENERATOR, battery charging, assembly		
			(AL-GDJ-4824-A)				
	G136-0127850		B241254	B241254	1–BULB, electrical heat indicator, assembly		
	G134-0407740		A284081	A284081	1–LINE, fuel, flexible, engine fuel pump to fuel filter		
	G136-0407825		B248737	B248737	1–LINE, S., $\frac{5}{16}$ x 33, fuel pump to carburetor		
	G134-0390000		B248694	B248694			
	G134-0390000		B248694	B248694	1–MOTOR, cranking, engine, assembly		
			(AL-MAY-4138)				

	G134-0407995		B247209	B247209	1–PIPE, engine crankcase ventilator	
	G134-0340305		C117305 (LMD-CM-5527)	C117305	1–PLATE, pressure, engine clutch, assembly	
	G136-0345870		C118318 (SZ-A-113969)	C118318	1–PULLEY and BRACKET, engine fan idler, assembly	
	G136-0345856		(HM-42502-C)		1–PULLEY, engine crankshaft fan drive	
	G134-0345921		C118130 (AC-1538153)	C118130	1–PUMP, fuel, engine, assembly	
	G134-0345900		(HM-42424-CS)		1–PUMP, oil, engine, assembly	
	G067-1200950		C65948 (HM-40170-CS)	C65948	1–PUMP, water, engine, assembly	
H-4	H004-0501008		A283470	A283470	6–SPARK PLUG, w/GASKET	
	G134-0427081		B247031 (DN-V4-10MU)	B247031	1–VALVE, check, engine crankcase ventilator	
	G134-0448027		C117443	C117443	1–WIRE, high tension, w/CONDUIT)	
	G176-5700655		5700655	C5700655	ENGINE, w/ACCESSORIES, assembly (Hercules Model JXD HM-42910-DS) (Replaces ENGINE, G136-0170339, A294679)...........................	1
					(Consists of the following components assembled as a unit:	
			E5496	E5496	1–ENGINE, w/o ACCESSORIES (Hercules Model JXD HM-42910-DS)	
					(Complete with:	
	G136-0183052		(HM-42842-DS)		FILTER, oil, engine, assembly	
			(HM-42423-B)		GAGE, oil, engine, bayonet	
			(HM-24898-CS)		PIPE, breather, engine, assembly	
	G136-0345856		(HM-42502-C)		PULLEY, engine fan drive, crankshaft	
	G134-0345900		(HM-42424-CS)		PUMP, oil, engine, assembly	
	G067-1200950		C65948 (HM-40170-CS)	C65948	PUMP, water, engine, assembly)	
	G136-0392226		A283992	A283992	1–ARM, adjusting, battery charging generator drive belt, assembly	
H-1	H001-0116248		223609		1–BOLT, hex-hd., s-fin., alloy-S., 7/16-20NF-2 x 1	
H-1	H001-0116651		223997		1–BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 1 3/8	
H-1	H001-1518011		103323		1–WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.)	
H-1	H001-1518010		103322		1–WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.)	
H-1	H001-1530010		103342		1–WASHER, plain, S., SAE std., 7/16 (15/32 I.D. x 15/16 O.D. x 1/16 thk.)	
H-1	H001-7021861		138549		1–WASHER, lock, battery charging generator arm)	
	G134-0118125		B246987 (FAF-205-D)	B246987	1–BEARING, ball, engine clutch pilot, assembly (.0983 I.D. x 2.0472 O.D. x .59 wide)	
	G136-0118253		D67400-C	D67400	1–BELT, drive battery charging generator	
	G103-1518303		D67400-A	D67400	1–BELT, drive, engine fan	
	G136-0122200		D67361 (SZ-FO-7507)	D67361	2–BLADE, engine fan, assembly	
H-1	H001-1013017		216920		8–SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	
H-1	H001-1518008		103320		8–WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	
	G136-0125920		A284197	A284197	1–BRACKET, engine automatic choke wire conduit to fuel pump	
			A283996	A283996	1–BRACKET, engine automatic choke wire conduit to manifold	
	G176-6248975		B248975 (IWC-A-10535)	B248975	1–BREATHER, engine oil filler tube	

GROUP 01—ENGINE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0100—ENGINE ASSEMBLY, ENGINE MOUNTINGS (Cont'd)		
			7059371		2–BUSHING, pipe, engine fuel pump to fuel lines		
	G136-0447897		B247448	B247448	1–CABLE, engine carburetor automatic choke, w/CONDUIT, assembly		
	G136-5284153		A284153	A284153	1–CABLE, low tension, engine ignition coil to distributor, w/CONDUIT, assembly		
	G136-0447798		A284132	A284132	1–CABLE, high tension, engine ignition distributor to coil, w/CONDUIT, assembly		
	G136-6248976		B248976	B248976	1–CAP, breather, engine oil filler tube		
	G134-0131584		C118305 (ZC-29-WX-2)	C118305	1–CARBURETOR, engine, assembly		
	G136-0314871		A283483	A283483	2–NUT, engine carburetor to mounting stud (reg., hex-hd., s-fin., S., 7/16-20NF-2)		
H-1	H001-1518010		103322		2–WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.)		
	G136-0135735		C118331	C118331	1–CHOKE, automatic, engine, assembly		
H-1	H001-4165520		A283825	A283825	2–NUT, engine automatic choke (hex., reg., br., 1/4-28NF-2)		
	G136-0392336		A330188	A330188	2–STUD, automatic choke to manifold (S., 1/4-20NC-2 (1/4) x 3/4 x 1/4-28NF-2 (3/8))		
H-1	H001-1518007		103319		2–WASHER, lock, reg., S., 1/4 (.265 I.D. x .453 O.D. x 1/16 thk.)		
			500615		1–CLAMP, hose, engine carburetor to elbow (2 7/8)		
			500616		1–CLAMP, hose, engine air cleaner to elbow (3 1/8)		
H-6	H006-0210930		B259545-P	B259545	4–CLAMP, hose, engine radiator water inlet and outlet (2 1/4)		
H-6	H006-0210912		B259545-E	B259545	2–CLAMP, hose, hydrovac to check valve, 1 in.		
	G136-0138001		A284162	A284162	2–CLIP, conduit, coil to distributor		
			A276849-A	A276849	2–CLIP, engine carburetor automatic choke wire conduit to brackets		
			A284243	A284243	2–CLIP, fuel line to vacuum line		
H-1	H001-0718021		218584		1–NUT, reg., hex., s-fin., S., 1/4-28NF-2		
H-1	H001-1026534		225495		1–SCREW, machine, oval-fil-hd., S., No. 5 (.125)-44NF-2 x 1/2		
H-1	H001-1520001		174877		1–WASHER, lock, internal teeth, hvy., S., 1/4)		
	G134-0138795		B248695	B248695	1–COIL, engine ignition, assembly		
H-1	H001-5026411		213904		2–SCREW, mounting ignition coil		
	G136-0443045		A284169-C	A284169	4–WASHER, lock, engine ignition coil mounting (internal external teeth 5/16)		
			A285947	A285947	1–CONNECTOR, elbow to ventilating valve		
	G136-0140052		A284086 (WH-200-X-5)	A284086	1–CONNECTOR, engine fuel pump to carburetor line (5/16 tube, 1/8 pipe)		
	G134-0152015		B246885 (AL-IAC-4003)	B246885	1–DISTRIBUTOR, engine ignition, assembly		
	G136-0169031		A303674 (BX-11015)	A303674	1–ELBOW, brake hydrovac check valve to coupling hose		
H-6	H006-0265610		120063		1–ELBOW, connecting, intake manifold hydrovac valve brake		

	G170-0311277		A296725	A296725	1–ELBOW, primer, intake manifold, rear		
	G136-0217822		B248922	B248922	1–ELBOW, rubber, engine carburetor air cleaner		
H-6	H006-0265610		120063		1–ELBOW, vacuum line to intake manifold tee		
			7059282		3–ELBOW, vacuum, pump line at intake manifold		
	G136-0194040		A330160	A330160	6–GASKET, engine ignition spark plug		
	G136-0194039		A285007	A285007	1–GASKET, engine ignition distributor cap high tension terminals		
	G136-0194033		A284083 (Z-C141-4-7)	A284083	1–GASKET, mounting, engine carburetor		
	G136-0194028		A276999 (HOL-8R-206)	A276999	1–GASKET, mounting, engine carburetor automatic choke		
	G067-1500640		A192013 (AC-1521294)	A192013	2–GASKET, mounting, engine fuel and vacuum pump		
	G134-0196300		B249017 (AL-GDJ-4824-A)	B249017	1–GENERATOR, battery charging, assembly		
	G136-0139895		C118119	C118119	1–HARNESS, wiring, engine ignition primary and secondary, assembly		
H-1	H001-1013030		193999		1–SCREW, cap, hex-hd., S., $\frac{3}{8}$-16NC-2 x $\frac{3}{4}$		
	G136-0443044		A284169	A284169	2–WASHER, lock, spark plug cable harness (internal external teeth $\frac{3}{8}$)		
	G136-0217817		A284993 (BX-99-S-252)	A284993	1–HOSE, brake hydrovac intake manifold check valve line to hydrovac coupling ($\frac{1}{2}$ I.D. x $1\frac{5}{16}$ O.D. x 4)		
	G134-0217450		A283403	A283403	2–HOSE, engine radiator inlet and outlet ($1\frac{3}{4}$ I.D. x 3 long)		
	G136-0178300		D67398-B	D67398	1–HUB, engine fan, left, w/PULLEY and BRACKET, assembly		
	G136-0178301		D67398-A	D67398	1–HUB, engine fan, right, w/PULLEY and BRACKET, assembly		
H-1	H001-1013077		217068		4–SCREW, cap, hex-hd., S., $\frac{1}{2}$-13NC-2 x $2\frac{3}{4}$		
H-1	H001-1518011		103323		4–WASHER, lock, reg., S., $\frac{1}{2}$ (.515 I.D. x .859 O.D. x $\frac{1}{8}$ thk.)		
	G134-0407740		A284081	A284081	1–LINE, fuel, flexible, engine fuel pump to fuel filter		
	G136-0407825		B248737	B248737	1–LINE, fuel pump to carburetor (S., $\frac{5}{16}$ x 33")		
	G136-0407951		A284078	A284078	1–LINE, engine intake manifold primer line, front, assembly ($\frac{1}{8}$ x $8\frac{13}{16}$)		
	G136-0407950		A284077	A284077	1–LINE, tubing, engine intake manifold primer line, rear, assembly ($\frac{1}{8}$ x $8\frac{3}{8}$)		
	G134-0390000		B248694 (AL-MAY-4138)	B248694	1–MOTOR, cranking, engine, assembly		
H-1	H001-0718023		218565		3–NUT, reg., hex., s-fin., S., $\frac{3}{8}$-24NF-2		
H-1	H001-1518009		103321		3–WASHER, lock, reg., S., $\frac{3}{8}$ (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)		
H-6	H006-0229040		B6498-C	B6498	1–NIPPLE, pipe, brake hydrovac check valve connecting elbow, upper ($\frac{3}{8}$ x 1)		
	G136-0314871		A283483	A283483	2–NUT, exhaust manifold outlet (hex., s-fin., S., $\frac{7}{16}$-20NF-3)		
	G134-0407995		B247209	B247209	1–PIPE, engine crankcase ventilator		
H-6	~~H006-0283800~~	H004-05-01008	219187		1–PLUG, pipe, sq-hd., black, $\frac{1}{8}$ (vacuum pump, inlet)		
	M001-0109371		A283470 (CP-JC-10)	A283470	6–PLUG, spark, engine ignition		
	G136-0345870		C118318 (SZ-A113869)	C118318	1–PULLEY and BRACKET, engine fan idler, assembly		
H-1	H001-1013078		217077		4–SCREW, cap, hex-hd., S., $\frac{1}{2}$-13NC-2 x 3		
H-1	H001-1518011		103323		4–WASHER, lock, reg., S., $\frac{1}{2}$ (.515 I.D. x .859 O.D. x $\frac{1}{8}$ thk.)		

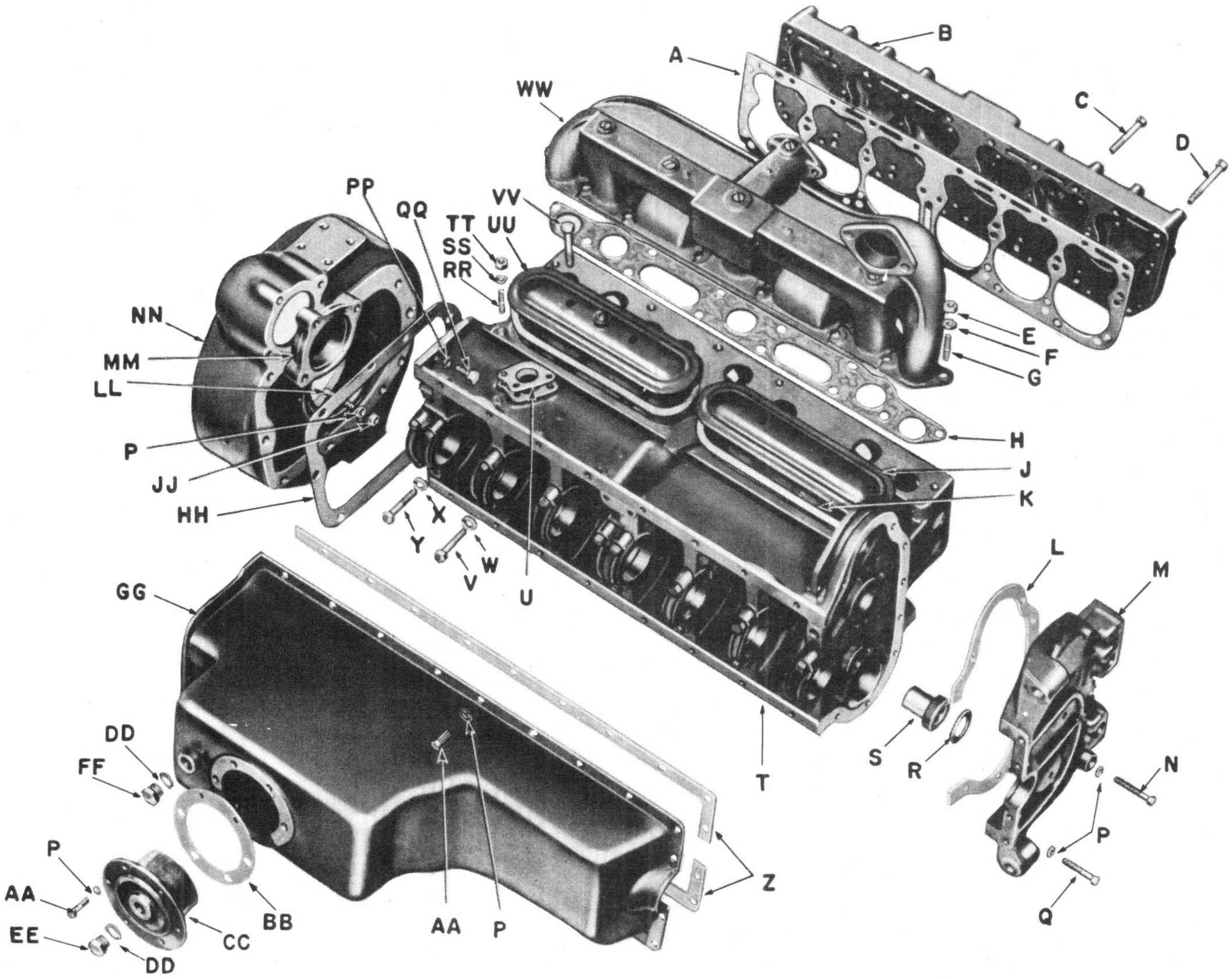


FIGURE 01-5—CYLINDER BLOCK, CYLINDER HEAD, INTAKE AND EXHAUST MANIFOLD AND FLYWHEEL HOUSING (EXPLODED)

FIGURE 01-5—CYLINDER BLOCK, CYLINDER HEAD, INTAKE AND EXHAUST MANIFOLD AND FLYWHEEL HOUSING (EXPLODED)

Key	Item	Part No.	Group No.
A	GASKET	HM-42236-C	0101
B	HEAD	HM-42226-D	0101
C	SCREW	HM-4118-A	0101
D	SCREW	HM-4118-A	
E	NUT	A163200	0108
F	WASHER	A163207	0108
G	STUD	A175112	0108
H	GASKET	HM-42057-B	0108
J	COVER	B153279	0105.1
K	GASKET	HM-41005-B	0105.1
L	GASKET	B158443	0105.5
M	COVER	HM-42358-D	0105.5
N	SCREW	217024	0105.5
P	WASHER	115548	0105.5
Q	SCREW	217022	0105.5
R	WASHER	A163254	0105.5
S	BEARING	A163284	0105.5
T	BLOCK	HM-42921-E	0101
U	GASKET	A283131	0302
V	SCREW	A163278	0101
W	WASHER	106500	0101
X	WASHER	110405	0101
Y	SCREW	A163279	0101
Z	GASKET	HM-42183-B	0106.6
AA	SCREW	216971	0106.6
BB	GASKET	HM-23052-A	0106.6
CC	STRAINER	HM-42390-BS	0106.6
DD	GASKET	HM-296-A	0106.6
EE	PLUG	HM-14867-A	0106.6
FF	PLUG	HM-11603-A	0106.6
GG	PAN	HM-42396-D	0106.6
HH	GASKET	B153272	0103
JJ	NUT	218565	0603
LL	STUD	A167658	0603
MM	ADAPTER	A171669	0603
NN	HOUSING	HM-23455-E	0103
PP	WASHER	103320	0103
QQ	SCREW	216983	0103
RR	STUD	HM-11833-A	0302
SS	WASHER	103320	0302
TT	NUT	218564	0302
UU	COVER	HM-42105-B	0105.1
VV	SCREW	217067	0105.1
WW	MANIFOLD	HM-42058-E	0108

RA PD 28484C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0100—ENGINE ASSEMBLY, ENGINE MOUNTINGS (Cont'd)		
	0040-1538638		7059286 (AC-1538638)		1–PUMP, fuel and vacuum, engine, assembly		
H-1	H001-0718022		218564		2–NUT, reg., hex., s-fin., 5/16-24NF-2		
H-1	H001-1530008		103320		2–WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)		
	G136-0382021		A285008	A285008	1–SCREW, engine ignition spark plug cable, high tension terminal		
	G067-1501600		B184239	B184239	1–SPACER, mounting, engine fuel pump		
	G136-0398494		A296726	A296726	2–TEE, engine intake manifold fuel primer line, front and center		
			7059283		1–TEE, engine vacuum pump line at manifold		
	G136-0407953		B248868	B248868	1–TUBING, hydrovac check valve to hydrovac (S., 1/2 x 5 3/4)		
			7059277		1–TUBING, vacuum pump to intake manifold		
	G170-5277690		A277690	A277690	1–UNIT, sending, engine oil pressure		
	G104-3142300		A297237 (SW-438021)	A297327	1–UNIT, sending, engine water temperature		
	G134-0427092		A303408 (BX-21650)	A303408	1–VALVE, check, brake hydrovac to manifold, assembly		
	G134-0427081		B247031 (DN-V4-10MU)	B247031	1–VALVE, check, engine crankcase, ventilator		
H-1	H001-1518010		103322		2–WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.) (exhaust manifold outlet)		
					The following components not mounted:		
H-6	H006-0210930		A259545-P	A259545	4–CLAMP, hose, engine water inlet and outlet (1 in.)		
	G134-0217450		A283403	A283403	2–HOSE, engine radiator inlet and outlet (1 3/4 I.D. x 3 long)		
	G136-0152030		C118040 (LMD-CM-5556)	C118040	1–DISC, driven, engine clutch, w/FACING, assembly		
	G134-0340305		C117305 (LMD-CM-5527)	C117305	1–PLATE, pressure, engine clutch, assembly		
H-1	H001-1013017		216920		12–SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4		
H-1	H001-1516008		108579		12–WASHER, lock, hvy., S., 5/16 (.328 I.D. x .578 O.D. x 3/32 thk.))		
	G136-0124256	01-11	A284066	A284066	BOLT, engine front mounting support cushion (hex-hd., dld-f/lkg wire., 5/8-11NC-2 x 2 3/4)	4	
	G136-0124255	01-11	A283910	A283910	BOLT, engine rear mounting support (cap, hex-hd., S., 7/16-20NF-2 x 4 1/2)	2	
	G136-0125901	01-11	C118018	C118018	BRACKET, engine front mounting support	2	
H-1	H001-0116055	01-11	227651		BOLT, hex-hd., s-fin., alloy-S., 1/2-13NC-2 x 1 1/2	8	
H-1	H001-1518011	01-11	103323		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.)	8	
	G136-6567370	01-11	D67370	D67370	CROSSMEMBER, engine motor support, front	1	
	G136-0232850	01-11	B248681	B248681	CUSHION, engine front mounting support, assembly	2	
	G136-0232830	01-11	A283899	A283899	CUSHION, rubber, engine rear mounting, lower	2	
	G136-0232825	01-11	A283897	A283897	CUSHION, rubber, engine rear mounting, upper	2	

H-1	H001-0713025	01-11	103046		NUT, castle, S., 7/16-20NF-2 (engine rear mounting support bolt)	2
H-1	H001-0811040		103374		PIN, cotter, split, S. (type B), 3/32 x 1 (engine rear mounting support bolt)	2
	G136-6248780	01-11	B248780	B248780	RETAINER, engine front mounting support	2
H-1	H001-0116219	01-11	223598		BOLT, hex-hd., s-fin., alloy-S., 3/8-24NF-2 x 1	8
	G136-6567388	01 11	D67388	D67388	SUPPORT, engine rear mounting to hull	2
H-1	H001-1016220	01-11	223599		BOLT, hex-hd., s-fin., alloy-S., 3/8-24NF-2 x 1 1/4	6
H-1	H001-0718023	01-11	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	8
H-1	H001-1013245	01-11	215992		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1	8
H-1	H001-1518009	01-11	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	8
H-1	H001-1516013	01-11	103331		WASHER, lock, hvy., S., 5/8 (.655 I.D. x 1.062 O.D. x 13/64 thk.) (engine front mounting bolt)	4
H-1	H001-1530010	01-11	103342		WASHER, plain, S., SAE std., 7/16 (15/32 I.D. x 15/16 O.D. x 1/16 thk.) (engine rear mounting bolt)	2
					0101—ENGINE BLOCK, AND CYLINDER HEAD	
	G134-0122260	01-1,2,5	(HM-42921-E)		BLOCK, engine cylinder, assembly	1
					CYLINDER BLOCK (see BLOCK, engine cylinder assembly)	
	G067-1200500	01-5	C68991 (HM-42236-C)	C68991	GASKET, engine cylinder head	1
	G134-0211416	01-5	(HM-42226-D)		HEAD, engine cylinder, assembly (superseded by HEAD, 4300-43201-D, HM-43201-D) (used on M-8, below even serial number 6494; odd serial number below 2143; M-20 below serial number 1597)	1
	4300-43201-D		(HM-43201-D)		HEAD, engine cylinder, assembly (high compression) (supersedes HEAD, G134-0211416, HM-42226-D) (used on M-8 above even serial number 6494; odd serial number above 2143; M-20 above serial number 1597)	1
	G067-1201110	01-5 06-3	A144647 (HM-4118-A)	A144647	SCREW, engine cylinder head to block (cap, hex-hd., alloy-S. (SAE 2330), 1/2-13NC-2)	24
H-6	H006-0282500		541406 (HM-4134-A)		PLUG, expansion, S., 1 1/2 (engine breather opening in block)	1
H-6	H006-0182480		431402 (HM-1609-A)		PLUG, expansion, S., 1 1/4 diam. (engine cylinder block)	9
H-6	H006-0283815		219199 (HM-4312-A)		PLUG, pipe, 1/2 sq-hd. (engine cylinder block)	4
	G067-1200890		A163260 (HM-22158-A)	A163260	PLUG, pipe, engine cylinder block fuel pump, drive pin hole, oil heater pipe (3/8-18NPT)	2
H-6	H006-0282420		501589 (HM-14232-A)		PLUG, expansion, S., 1/2 diam. (engine cylinder block to magneto bracket hole)	1
H-6	H006-0282440		501593 (HM-4643-A)		PLUG, expansion, S., 3/4 diam. (engine cylinder block oil tube)	1
H-6	H006-0283989		A144587 (HM-59-A)	A144587	PLUG, pipe, engine cylinder block oil tube (1/8 slotted)	7
H-6	H006-0283988		(HM-60-A)		PLUG, pipe, 1/4 slotted (engine cylinder block oil tube)	1
	G136-0340671		(HM-14264-A)		PLUG, pipe, engine cylinder head (countersunk, 3/8-18)	1
	G120-0340617		(HM-1075-A)		PLUG, pipe, engine cylinder head (countersunk, 1/2)	1

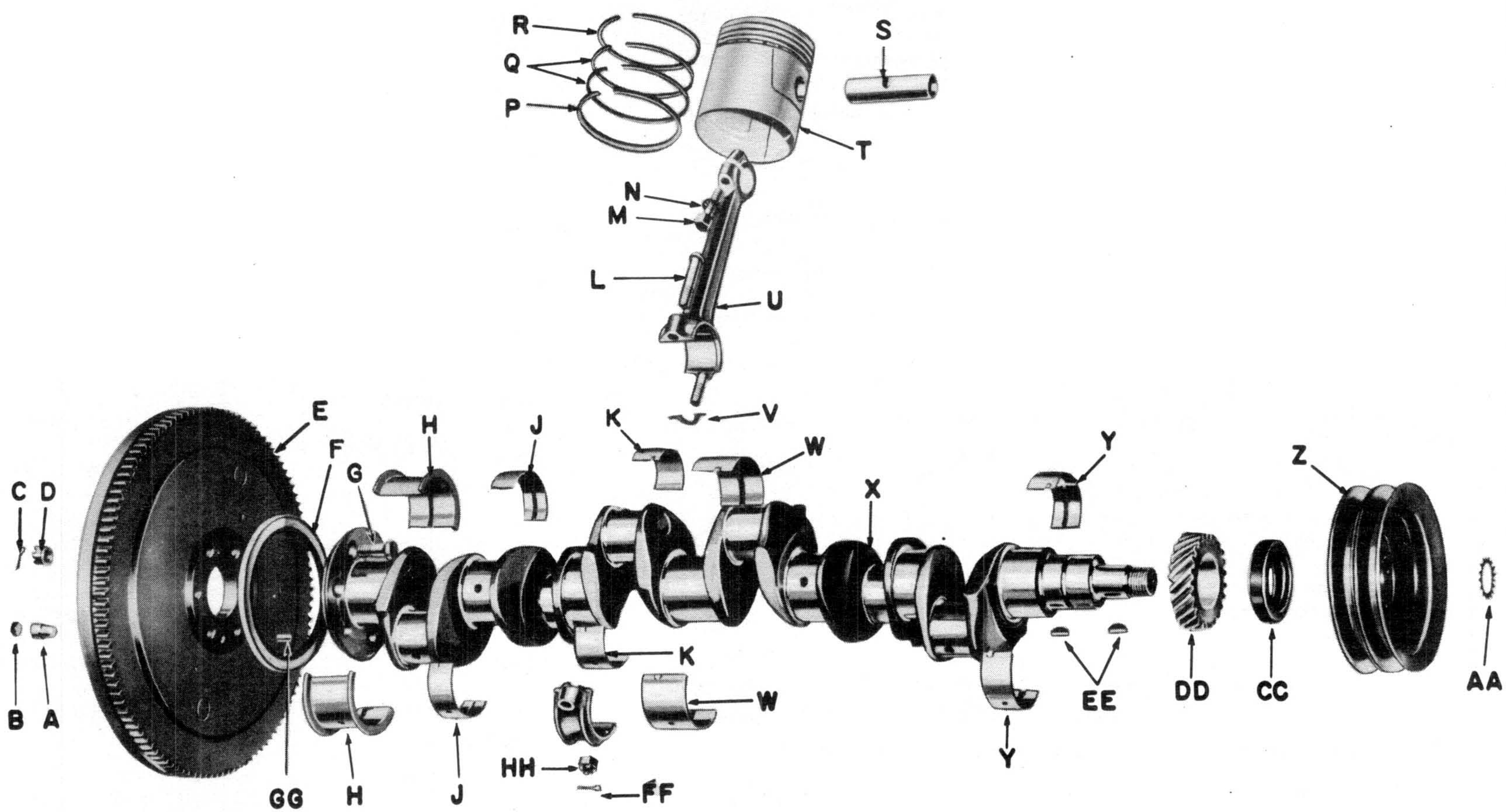


FIGURE 01-6—ENGINE CRANKSHAFT, CONNECTING ROD AND FLYWHEEL (EXPLODED)

FIGURE 01-6—ENGINE CRANKSHAFT, CONNECTING ROD AND FLYWHEEL (EXPLODED)

Key	Item	Part No.	Group No.
A	PIN	A144625	0103
B	PLUG	501591	0103
C	PIN	103373	0103
D	NUT	A144619	0103
E	FLYWHEEL	HM-24607	0103
F	SEAL, oil	A167532	0103
G	BOLT	HM-22104-A	0103
H	BEARING, rear (Part of HM-42697-BS)	HM-42695-B	0102
J	BEARING, intermediate (Part of HM-42697-BS)	HM-42696-B	0102
K	BEARING (Part of HM-42692-BS)	HM-42692-B	0104
L	BOLT	A163249	0104
M	SCREW	HM-11702-A	0104
N	WASHER	115549	0104
P	RING, oil (Part of A284125-A)	HM-3913-A	0104
Q	RING (Part of A284125-A)	HM-3813-A	0104
R	RING, top (Part of A284125-A)	HM-42297-A	0104
S	PIN	B158446	0104
T	PISTON	HM-42099-CS	0104
U	ROD	HM-40390-CSY	0104
V	SHIM	A171692	0104
W	BEARING, center (Part of HM-42697-BS)	HM-42694-B	0102
X	CRANKSHAFT	D36775	0102
Y	BEARING (Part of HM-42697-BS)	HM-42693-B	0102
Z	PULLEY	HM-42502-C	0505
AA	WASHER	A171666	0102
BB	JAW	HM-40828-A	0102
CC	SEAL	A229781	0105.5
DD	GEAR	B153270	0105.5
EE	KEY	218211	0105.5
FF	PIN	103373	0104
GG	DOWEL	A163229	0103
HH	NUT	A163245	0104

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GROUP 01—ENGINE

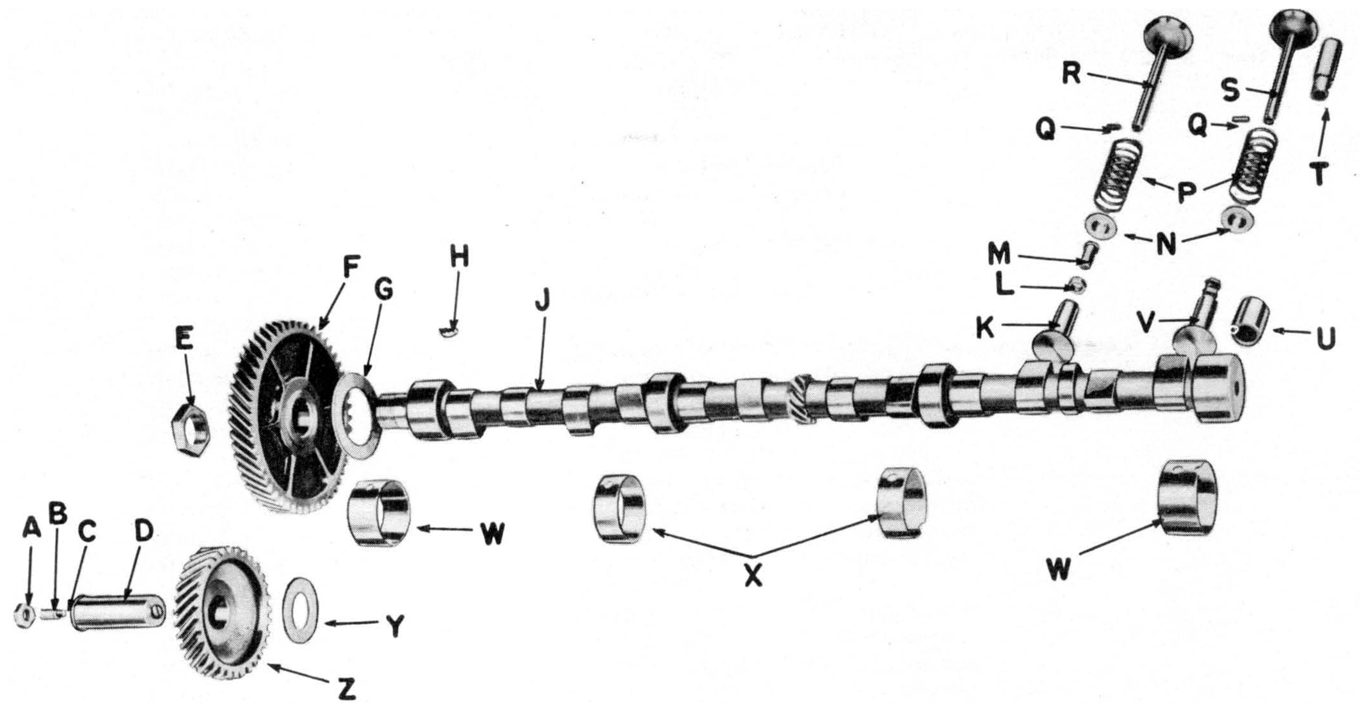
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0101—ENGINE BLOCK, AND CYLINDER HEAD (Cont'd)		
H-1	H001-0116042	01-5	A163279 (HM-40071-A)	A163279	SCREW, cap, engine crankshaft center and front main bearing caps (hex-hd., alloy-S., 7/16-14NC-2 x 2)	8	
H-1	H001-0116057	01-5	A163278 (HM-40070-A)	A163278	SCREW, cap, engine crankshaft, rear and intermediate main bearing cap (hex-hd., alloy-S., 1/2-13NC-2 x 2)	10	
H-1	H001-1517010	01-5	110405 (HM-4732-A)		WASHER, lock, lgt., S., 7/16 (.453 I.D. x .767 O.D. x 1/16 thk.) (engine crankshaft center and front main bearing cap screw)	8	
H-1	H001-1517011	01-5	106500 (HM-4731-A)		WASHER, lock, lgt., S., 1/2 (.515 I.D. x .859 O.D. x 1/16 thk.) (engine crankshaft rear and intermediate main bearing cap screws)	10	
					0102—ENGINE CRANKSHAFT AND BEARINGS		
	G067-1200050	01-6	(HM-42697-BS)		BEARING SET, engine crankshaft, main, standard (when ordering specify standard)	1	
					(Consists of:		
			(HM-42693-B)		2–BEARING, front, standard		
			(HM-42694-B)		2–BEARING, center, standard		
			(HM-42695-B)		2–BEARING, rear, standard		
			(HM-42696-B)		8–BEARING, intermediate, standard		
	G067-1201380		A171690 (HM-40552-A)	A171690	30–SHIM, adjusting, engine crankshaft rear and intermediate main bearings, .003 thk.		
	G067-1201370		A171689 (HM-40551-A)	A171689	12–SHIM, adjusting, engine crankshaft center and front main bearings, .003 thk.)		
	G067-1200033		(HM-42697-BS)		BEARING SET, engine crankshaft, main, .010 undersize (when ordering specify .010 undersize)	1	
					(Consists of:		
			(HM-42693-B)		2–BEARING, front, .010 undersize		
	G067-1201270		(HM-42694-B)		2–BEARING, center, .010 undersize		
			(HM-42695-B)		2–BEARING, rear, .010 undersize		
			(HM-42696-B)		8–BEARING, intermediate, .010 undersize		
	G067-1201380		A171690 (HM-40552-A)	A171690	30–SHIM, adjusting, engine crankshaft rear and intermediate main bearings, .003 thk.		
	G067-1201370		A171689 (HM-40551-A)	A171689	12–SHIM, adjusting, engine crankshaft center and front main bearings, .003 thk.)		
	G067-3118200		(HM-42697-BS)		BEARING SET, engine crankshaft, main, .020 undersize (when ordering specify .020 undersize)	1	
					(Consists of:		
	G136-0118157		(HM-42693-B)		2–BEARING, front, .020 undersize		
	G136-0118150		(HM-42694-B)		2–BEARING, center, .020 undersize		

	G136-0118170		(HM-42695-B)		2–BEARING, rear, .020 undersize	
			(HM-42696-B)		8–BEARING, intermediate, .020 undersize	
	G067-1201380		A171690 (HM-40552-A)	A171690	30–SHIM, adjusting, engine crankshaft rear and intermediate main bearings, .003 thk.	
	G067-1201370		A171689 (HM-40551-A)	A171689	12–SHIM, adjusting, engine crankshaft center and front main bearings, .003 thk.)	
	G136-0118178		(HM-42697)		BEARING SET, engine crankshaft, main, .030 undersize (when ordering specify .030 undersize)	1
					(Consists of:	
	G136-0118158		(HM-42693-B)		2–BEARING, front, .030 undersize	
	G136-0118151		(HM-42694-B)		2–BEARING, center, .030 undersize	
	G136-0118171		(HM-42695-B)		2–BEARING, rear, .030 undersize	
	G136-0118164		(HM-42696-B)		8–BEARING, intermediate, .030 undersize	
	G067-1201380		A171690 (HM-40552-A)	A171690	30–SHIM, adjusting, engine crankshaft rear and intermediate main bearings, .003 thk.	
	G067-1201370		A171689 (HM-40551-A)	A171689	12–SHIM, adjusting, engine crankshaft center and front main bearings, .003 thk.)	
	G067-1200183		(HM-40543-B)		CAP, engine crankshaft, front, main bearing	1
	G067-1200184		(HM-40542-B)		CAP, engine crankshaft, center, main bearing	1
	G067-1200182		(HM-40544-B)		CAP, engine crankshaft, intermediate, main bearing	4
	G067-1200185		(HM-40541-B)		CAP, engine crankshaft, rear, main bearing	1
	G067-1200350	01-6	D36775 (HM-45853-E)	D36775	CRANKSHAFT, engine, w/o gear	1
	G136-0240700	01-6	(HM-40828-A)		JAW, cranking, engine crankshaft	1
	G067-1201370		A171689 (HM-40551-A)	A171689	SHIM, adjusting, engine crankshaft center and front main bearings, .003 thk. (also part of BEARING SET, G067-1200050, HM-42697-BS)	12
	G067-1201380		A171690 (HM-40552-A)	A171690	SHIM, adjusting, engine crankshaft rear and intermediate main bearings, .003 thk. (also part of BEARING SET, G067-1200050, HM-42697-BS)	30
H-1	H001-7017890	01-6	A171666 (HM-14734-A)	A171666	WASHER, lock, Shakeproof No. 1 (engine crankshaft cranking jaw)	1
					0103—FLYWHEEL	
					BELL HOUSING (see HOUSING, engine flywheel).	
	G134-0140015	01-4	(HM-42911-A)		COVER, engine flywheel housing timing hole (replaces COVER, G134-0140015, HM-18421)	1
H-1	H001-1030148		421456 (HM-14514)		SCREW, mach., rd-hd., S., 5/16-18NC-2 x 1/2	3
H-1	H001-1518008		103323 (HM-615-A)		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	3
	G136-7097093	01-6	(HM-24607-A)		FLYWHEEL, engine, w/RING GEAR, assembly (replaces FLYWHEEL, G136-0184153, HM-24588-C)	1
	G067-1200115	01-6	A163253 (HM-22104-A)	A163253	BOLT, attaching engine flywheel to crankshaft (special, S., 1/2-20 SAE x 1 11/32)	4
H-1	H001-4220660	01-6	A144619 (HM-1656-A)	A144619	NUT, castle, engine flywheel to crankshaft bolt (alloy-S., 1/2-20NF-2)	4

GROUP 01—ENGINE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0103—FLYWHEEL (Cont'd)		
H-1	H001-0811039	01-6	103373 (HM-301-A)		PIN, cotter, split, S. (type B), 3/32 x 3/4	4	
	G067-1200385	01-6	A144625 (HM-1707-A)	A144625	PIN, dowel, engine flywheel to crankshaft (1/2 x 5/8)	2	
	G067-1200385	01-6	A163229 (HM-4642-A)	A163229	PIN, dowel, locating, engine flywheel to crankshaft (1/4 x 9/16)	1	
H-6	H006-0282430	01-6	501591 (HM-665-A)		PLUG, expansion, S., 5/8	2	
	G067-1200495	01-5	B153272 (HM-22065-B)	B153272	GASKET, engine flywheel housing to oil pan, rear	1	
	G134-0196034		(HM-22505-C)		GEAR, ring, engine flywheel	1	
	G136-0217863	01-4	(HM-23455-E)		HOUSING, engine flywheel	1	
H-1	H001-1013070	01-5	217051 (HM-2100-A)		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 1	3	
H-1	H001-1013069	01-5	216983 (HM-4123-A)		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 7/8	8	
H-1	H001-1518011	01-5	103320 (HM-312-A)		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.)	11	
H-13	H013-0500206	01-6	B167532 (HM-3543-B)	B167532	SEAL, oil, engine flywheel housing (4 3/16 I.D. x 6.009 O.D. x 1/4 thk.)	1	
					0104—PISTONS, PISTON RINGS, PISTON PINS, CONNECTING RODS, CONNECTING ROD BEARINGS		
	G067-3118081	01-6	(HM-42692-BS)		BEARING SET, engine crankshaft connecting rod, standard	6	
					(Consists of:		
	G067-1201215		(HM-42692-B)		2–BEARING, connecting rod, standard		
	G067-1201390		(HM-40556-A)		3–SHIM, adjusting, engine crankshaft connecting rod, .003 thk.)		
	G067-3118082		(HM-42692-BS)		BEARING SET, engine crankshaft connecting rod, .010 undersize (when ordering specify .010 undersize)	6	
					(Consists of:		
			(HM-42692-B)		2–BEARING, connecting rod, .010 undersize		
	G067-1201390		(HM-40556-A)		3–SHIM, adjusting, engine crankshaft connecting rod, .003 thk.)		
	G067-3118083		(HM-42692-BS)		BEARING SET, engine crankshaft connecting rod, .020 undersize (when ordering specify .020 undersize)	6	
					(Consists of:		
			(HM-42692-B)		2–BEARING, connecting rod, .020 undersize		
	G067-1201390		(HM-40556-A)		3–SHIM, adjusting, engine crankshaft connecting rod, .003 thk.)		

	G067-3118084		(HM-42692-BS)		BEARING SET, engine crankshaft connecting rod, .030 undersize (when ordering specify .030 undersize)	6
					(Consists of:	
			(HM-42692-B)		2–BEARING, connecting rod, .030 undersize	
	G067-1201390		(HM-40556-A)		3–SHIM, adjusting, engine crankshaft connecting rod, .003 thk.)	
	G067-1200790	01-6	B158446 (HM-22238-B)	B158446	PIN, engine piston (1.0038-1.0041 O.D. x 3½ lgh.) (.005 oversize)	6
	G134-0381926	01-6	(HM-11702-A)		SCREW, connecting, engine piston pin (cap, hex-hd., S., ⅜-24NF-2 x 1 9/16)	6
	H001-1520003	01-6	115549 (HM-14761-A)		WASHER, lock, internal teeth, reg., S., ⅜ in. (supersedes BEAX3-C)	6
	G630-7005462	01-6	(HM-42099-CS)		PISTON, engine, w/PIN, standard, assembly (replaces PISTON, HM-42095-C)	6
	G630-7005463		(HM-42099-CS)		PISTON, engine, w/PIN, .020 oversize (replaces PISTON, HM-42095-C)	6
	G067-3340003		(HM-42099-CS)		PISTON, engine, w/PIN, .040 oversize (replaces PISTON, HM-42095-C)	6
			(HM-42099-CS)		PISTON, engine, w/PIN, .060 oversize (replaces PISTON, HM-42095-C)	6
	G067-1201017	01-6	A284125-A	A284125	RING SET, engine piston, standard	1
					(Consists of:	
	G067-1200960		(HM-42297-A)		6–RING, compression, standard	
			(HM-3813-A)		12–RING, compression, standard	
			(HM-3913-A)		6–RING, oil control, standard)	
	G067-1201016		A284125-B	A284125	RING SET, engine piston, .020 oversize	1
					(Consists of:	
			(HM-42297-A)		6–RING, compression, .020 oversize	
			(HM-3813-A)		12–RING, compression, .020 oversize	
			(HM-3913-A)		6–RING, oil control, .020 oversize)	
	G067-3369925		A284125-C	A284125	RING SET, engine piston, .040 oversize	1
					(Consists of:	
	G136-0369947		(HM-42297-A)		6–RING, compression, .040 oversize	
			(HM-3813-A)		12–RING, compression, .040 oversize	
			(HM-3913-A)		6–RING, compression, .040 oversize)	
	G067-3369926		A284125-D	A284125	RING SET, engine piston, .060 oversize	1
					(Consists of:	
			(HM-42297-A)		6–RING, compression, .060 oversize	
			(HM-3813-A)		12–RING, compression, .060 oversize	
			(HM-3913-A)		6–RING, compression, .060 oversize)	
	G067-1201030	01-6	C68992 (HM-40390-CSY)	C68992	ROD, connecting, engine crankshaft, w/CAPS, assembly	6
					(Composed of:	
			(HM-22049-A)		2–BOLT	
			(HM-40391-C)		1–CAP (not serviced)	
	G067-1200721		(HM-21056-A)		2–NUT	
H-1	H001-0811039		103373		2–PIN	
			(HM-40390-C)		1–ROD (not serviced)	
			(HM-11072-A)		1–SCREW	
	4300-40566-A		(HM-40566-A)		3–SHIM	
H-1	H001-1520003		111328		1–WASHER)	
	G067-1200108		A163249 (HM-22059-A)	A163249	BOLT, upset head, connecting rod bearing cap (alloy-S., slotted (SAE 3135), 7/16-20NF-2 x 2⅛)	12



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FIGURE 01-7—CAMSHAFT, VALVES, TIMING GEAR AND IDLER GEAR (EXPLODED)

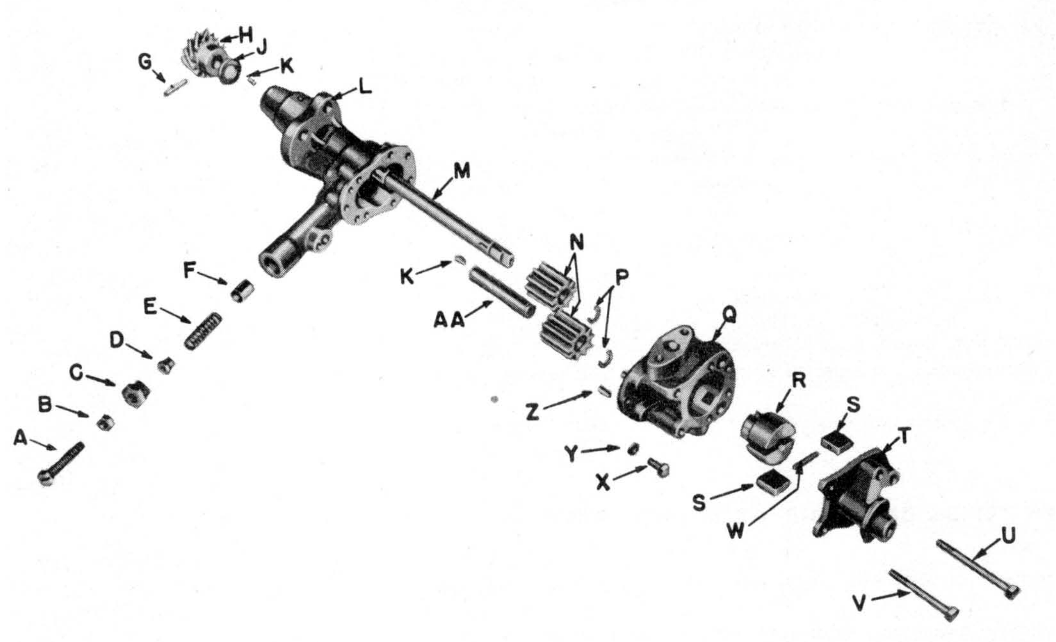
Key	*Item*	*Part No.*	*Group No.*
A	NUT	218439	0105.3
B	SCREW (See HM-3617-AS)	HM-11506-A	0105.3
C	PLUG (See HM-3617-AS)	A163242	0105.5
D	SHAFT	A163283	0105.5
E	NUT	A175113	0105.5
F	GEAR	B153271	0105.5
G	WASHER	A163213	0105.3
H	KEY	218211	0105.5
J	CAMSHAFT	HM-45686-D	0105.3
K	LIFTER	HM-45812-A	0105.2
L	NUT	A144638	0105.2
M	SCREW	A144637	0105.2
N	SEAT	A163247	0105.1
P	SPRING	A163265	0105.1
Q	PIN	A163267	0105.1
R	VALVE	A171680	0105.1
S	VALVE	A172573	0105.1
T	GUIDE	A163246	0105.1
U	GUIDE	A163252	0105.2
V	LIFTER	HM-45812-ASY	0105.2
W	BEARING	A163273	0105.3
X	BEARING	A163274	0105.3
Y	WASHER	A163254	0105.5
Z	GEAR	B153289	0105.5

RA PD 28486C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0104—PISTONS, PISTON RINGS, PISTON PINS, CONNECTING RODS, CONNECTING ROD BEARINGS (Cont'd)		
	G067-1200721		A163245 (HM-21056-A)	A163245	NUT, castle, engine connecting rod bearing cap bolt (alloy-S., 7/16-20NF-2)	12	
H-1	H001-0811039		103373 (HM-301-A)		PIN, cotter, split, S. (type B), 3/32 x 3/4	12	
	G067-1201390		A171692 (HM-40556-A)	A171692	SHIM, adjusting, engine crankshaft connecting rod, .003 thk. (also part of BEARING SET, G067-3118081, HM-42692-BS)	18	
					0105.1—VALVES, VALVE SPRINGS, VALVE GUIDES		
	G067-1200335	01-5	B153279 (HM-40006-B)	B153279	COVER, engine valve compartment	1	
H-1	H001-1013076	01-5	217067 (HM-4068-A)		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 2 1/2	4	
	G136-0140201	01-5	(HM-42105-B)		COVER, engine valve chamber, w/FITTING	1	
	G134-0182847		(HM-18584)		FITTING, engine valve cover	1	
	G134-0193828		(HM-18573-A)		GASKET, cork, valve cover fitting	1	
	G067-1200570	01-5	(HM-41005-B)		GASKET, engine valve compartment cover	2	
	G067-1200640		A163246 (HM-22011-A)	A163246	GUIDE, engine intake and exhaust valve, standard	12	
	G067-1200807	01-7	A163267 (HM-40011-A)	A163267	PIN, S., engine valve spring seat	12	
H-6	H006-0283988		(HM-60-A)		PLUG, pipe, engine valve covers, 1/4 slotted	1	
	G067-1201160	01-7	A163247 (HM-22013-A)	A163247	SEAT, engine valve spring, 45° 1 1/32 in.	12	
	G067-1201430	01-7	A163265 (HM-40008-A)	A163265	SPRING, engine valve	12	
	G067-1201530	01-7	A172573 (HM-45814-A)	A172573	VALVE, engine exhaust	6	
	G067-1201540	01-7	A171680 (HM-40107-A)	A171680	VALVE, engine intake	6	
					0105.2—VALVE LIFTERS, VALVE LIFTER GUIDES		
	G067-1200645	01-7	A163252 (HM-22089-A)	A163252	GUIDE, valve lifter, standard	12	
	G067-1201040	01-7	(HM-45812-ASY)		LIFTER, engine valve, assembly (Consists of:	12	
	G067-1201040	01-7	(HM-45812-A)		12–LIFTER, valve		
	G067-1201070	01-7	(HM-2185-A)		12–SCREW, valve lifter adjusting		
	G067-1200740	01-7	(HM-2186-A)		12–NUT, 3/8-24NF-2, valve lifter adjusting screw)		

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0105.2—VALVE LIFTERS, VALVE LIFTER GUIDES (Cont'd)		
	G067-1201050	01-7	(HM-45812-A)		LIFTER, engine valve, assembly (superseded by LIFTER, G067-1201040, HM-45812-ASY)	12	
	G067-1200740	01-7	A144638 (HM-2186-A)	A144638	NUT, engine valve clearance adjusting screw (sp., hex., alloy-S., $\frac{3}{8}$-24NF-2)	12	
	G067-1201070	01-7	A144637 (HM-2185-A)	A144637	SCREW, clearance adjusting, engine valve (cap, hex-hd., alloy-S., $\frac{3}{8}$-24NF-2 x 1)	12	
					0105.3—CAMSHAFT, CAMSHAFT BEARINGS		
	G067-1200055	01-7	A163274 (HM-40065-A)	A163274	BEARING, engine camshaft, center, standard (babbitt-lined, $2\frac{1}{16}$ I.D. x 2.191 O.D. x $\frac{13}{16}$ lgh.)	2	
	G067-1200056	01-7	A163273 (HM-40063-A)	A163273	BEARING, engine camshaft, front and rear, standard (S., babbitt-lined, $2\frac{1}{16}$ I.D. x 2.191 O.D. x $1\frac{1}{8}$ lgh.)	2	
	G067-1200180	01-7	(HM-45686-D)		CAMSHAFT, high lift, engine, assembly	1	
H-1	H001-0716004	01-7	218439 (HM-2048-A)		NUT, jam, hex., s-fin., S., $\frac{7}{16}$-14NF-2 (engine timing gear cover thrust screw)	3	
	G067-1200910		A163277 (HM-40068-A)	A163277	PLUNGER, thrust, engine camshaft	1	
	G134-0381915		(HM-3617-AS)		SCREW, adjusting, engine camshaft idler shaft and water pump shaft thrust, w/NUT ($\frac{7}{16}$-14 x $\frac{25}{32}$) (superseded by SCREW, G136-7099436, HM-11506-A)	3	
	G136-7099436	01-7	(HM-11506-A)		SCREW, thrust, adjusting, engine camshaft, idler shaft and water pump shaft (bz., $\frac{7}{16}$-14 x $\frac{27}{32}$) (supersedes SCREW, G134-0381915, HM-3617-AS)	3	
	G067-1201586	01-7	A163213 (HM-2045-A)	A163213	WASHER, thrust, engine camshaft ($3\frac{1}{32}$ O.D. x 1.957 I.D. x .070 thk.)	1	
					0105.5—TIMING GEARS		
	G067-1200145	01-5	A163284 (HM-40137-A)	A163284	BEARING, engine water pump and distributor drive gear	1	
	G136-0140202	01-5	(HM-42358-D)		COVER, engine timing gear	1	
H-1	H001-1013037	01-5	217024 (HM-2083-A)		SCREW, cap, hex-hd., S., $\frac{3}{8}$-16NC-2 x $2\frac{1}{4}$	3	
H-1	H001-1013035	01-5	217022 (HM-4266-A)		SCREW, cap, hex-hd., S., $\frac{3}{8}$-16NC-2 x $1\frac{3}{4}$	5	
H-1	H001-1518009	01-5	103321 (HM-342-A)		WASHER, lock, reg., S., $\frac{3}{8}$ (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	8	
	G067-1200560	01-5	B158443 (HM-22024-B)	B158443	GASKET, engine timing gear cover	1	
	G067-1200607	01-7	B153289 (HM-40135-B)	B153289	GEAR, idler, engine water pump and distributor drive	1	

	G067-1200598	01-6	B153270 (HM-22039-B)	B153270	GEAR, timing, engine crankshaft (25 teeth)	1
H-1	H001-0518032	01-6	218211 (HM-4265-A)		KEY, Woodruff, ni-S., $\frac{1}{4}$ x $\frac{3}{4}$ (No. 91)	1
	G067-1200599	01-7	B153271 (HM-22049-B)	B153271	GEAR, timing, engine camshaft (50 teeth)	1
H-1	H001-0518032	01-7	218211 (HM-4265-A)		KEY, Woodruff, ni-S., $\frac{1}{4}$ x $\frac{3}{4}$ (No. 91)	1
	G067-1200706		A175113 (HM-11023-A)	A175113	NUT, engine camshaft timing gear (special, hex., $1\frac{1}{4}$-12NF-2 x $\frac{1}{2}$)	1
	G067-1200910		A163277 (HM-40068-A)	A163277	PLUNGER, thrust, engine water pump and distributor drive idler gear shaft	1
	G067-1200855	01-7	A163242 (HM-14591-A)	A163242	PLUG, fiber, engine timing gear thrust adjusting screw ($\frac{1}{4}$ x $\frac{9}{16}$)	3
H-6	H006-0283989		A144587 (HM-59-A)	A144587	PLUG, pipe, engine water pump and distributor drive idler gear shaft ($\frac{1}{8}$ in.)	1
H-13	H013-0500099	01-6	A229781 (HM-11137-AS)	A229781	SEAL, oil, engine timing gear cover, assembly ($1\frac{7}{8}$ I.D. x 2.890 O.D. x $\frac{21}{32}$ wide)	1
					(Composed of:	
	G067-1201140		(HM-11088-A)		1–SEAL	
	G067-1201400		(HM-11136-A)		1–SLEEVE)	
	G067-1201170	01-7	A163283 (HM-40136-AS)	A163283	SHAFT, engine timing idler gear, assembly (includes PLUG and PLUNGER)	1
	G067-0106077	01-5-7	A163254 (HM-22107-A)	A163254	WASHER, celeron, engine water pump and distributor drive idler gear (1.14 I.D. x 20 O.D. x .07 thk.)	1
					0106.1—ENGINE OIL PUMP AND RELIEF VALVE	
	G134-0124014	01-8	(HM-42425-C)		BODY, engine oil pump	1
	G136-0124070	01-8	(HM-42129-D)		BODY, scavenging, engine oil pump	1
H-1	H001-1031001	01-8	220620 (HM-4253-A)		SCREW, cap, hex-hd., S., dld. fl/lkg-wire, $\frac{1}{4}$-20NC-2 x $\frac{1}{2}$	1
	G136-0137801	01-9	(HM-11872-A)		CLAMP, retainer, engine oil pump pressure relief valve drain tube	2
	G136-0124253	01-9	(HM-11903-A)		BOLT, engine oil pump pressure relief drain tube clamp (hex-hd., s-fin., alloy-S., dld. f/c-pin., $\frac{1}{4}$-28NF-2 x $\frac{3}{4}$)	1
H-1	H001-0714001	01-9	218595 (HM-1-A)		NUT, castle, alloy-S., $\frac{1}{4}$-28NF-2	1
H-1	H001-0811027	01-9	108628 (HM-299-A)		PIN, cotter, split, S. (type B), $\frac{1}{16}$ x $\frac{3}{4}$	1
	G136-0140204	01-8	(HM-42128-A)		COVER, engine oil pump body	1
	G136-0382048	01-8	Q48H (HM-11789-A)		SCREW, engine oil pump body cover (cap, hex-hd., S., dld. f/lkg-wire., $\frac{1}{4}$-20NC-2 x $2\frac{1}{4}$)	4
	G136-0382049	01-8	Q48M (HM-11790-A)		SCREW, engine oil pump body cover (cap, hex-hd., S., dld. f/lkg-wire., $\frac{1}{4}$-20NC-2 x 3)	2
	G134-0156900	01-8	(HM-42130-A)		DRIVE, engine oil scavenger pump vane	1
	G134-0169060	01-9	(HM-7059-A)		ELBOW, engine oil pump pressure relief valve drain tube (90° br., $\frac{1}{2}$-20NF-2 x $\frac{1}{8}$ NPT)	1
	G134-0193838	01-9	(HM-42833-A)		GASKET, engine oil pump pipe to oil pump ($\frac{1}{32}$ vellumoid)	2

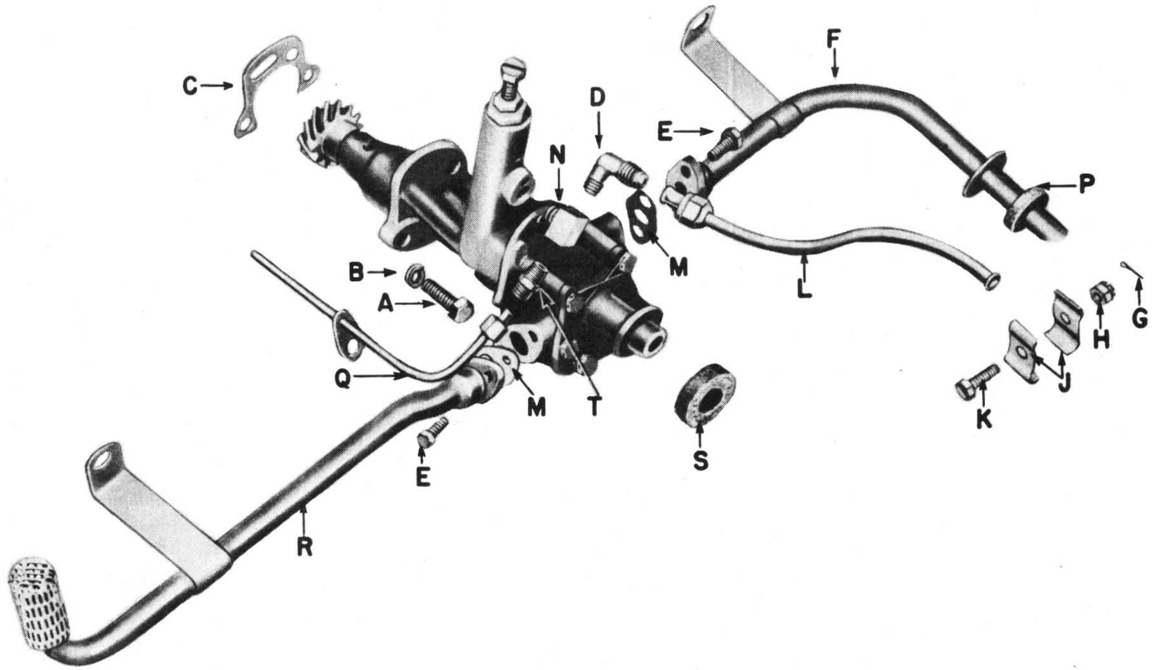


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FIGURE 01-8—ENGINE OIL PUMP ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	216782	0106.1
B	NUT	218564	0106.1
C	NUT	A163209	0106.1
D	RETAINER	HM-1385-A	0106.1
E	SPRING	A163205	0106.1
F	VALVE, relief	HM-22129-A	0106.1
G	PIN	HM-4809-A	0106.1
H	GEAR	A163291	0106.1
J	WASHER	A163215	0106.1
K	KEY	124542	0106.1
L	BODY	HM-42425-C	0106.1
M	SHAFT	HM-42119-A	0106.1
N	GEAR	A163258	0106.1
P	SNAP RING	A163225	0106.1
Q	BODY	HM-42129-D	0106.1
R	DRIVER	HM-42130-A	0106.1
S	VANE	HM-42117-A	0106.1
T	COVER	HM-42128-A	0106.1
U	SCREW	Q48-M	0106.1
V	SCREW	Q48-H	0106.1
W	SPRING	HM-42118-A	0106.1
X	SCREW	220620	0106.1
Y	WASHER	103320	0106.1
Z	PIN	HM-11816-A	0106.1
AA	SHAFT	A163259	0106.1

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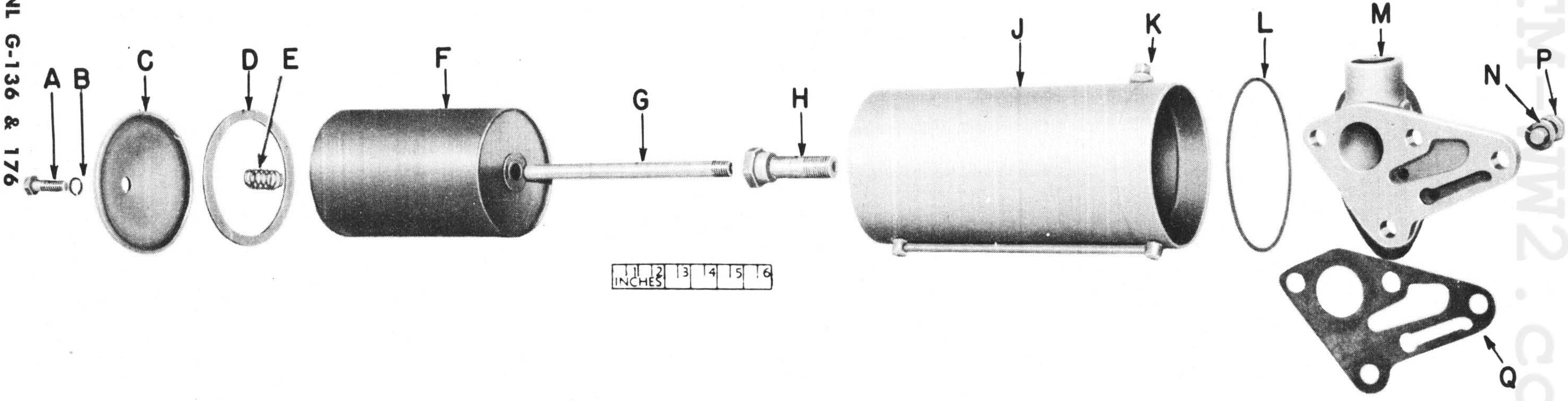
FIGURE 01-9—ENGINE OIL PUMP LINES AND FITTINGS (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	213729	0106.1
B	WASHER	103321	0106.1
C	GASKET	A163255	0106.1
D	ELBOW	HM-7059-A	0106.1
E	SCREW	220623	0106.1
F	PIPE	HM-42819-BS	0106.1
G	PIN	103362	0106.1
H	NUT	218595	0106.1
J	CLAMP	HM-11872-A	0106.1
K	BOLT	HM-11903-A	0106.1
L	TUBE	HM-42840-AS	0106.1
M	GASKET	HM-42833-A	0106.1
N	TEE	HM-11711-A	0106.1
P	SEAL	HM-11786-A	0106.1
Q	TUBE	HM-42811-BS	0106.1
R	TUBE	HM-42830-BS	0106.1
S	SEAL	HM-3181-A	0106.1
T	UNION	HM-14945-A	0106.1

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0106.1—ENGINE OIL PUMP AND RELIEF VALVE (Cont'd)		
	G067-1200535	01-9	A163255 (HM-22119-A)	A163255	GASKET, engine oil pump to block (.015 vellumoid)	1	
	G067-1200620	01-8	A163291 (HM-45266-A)	A163291	GEAR, driven, engine oil pump (12 teeth)	1	
H-1	H001-0518006	01-8	124542 (HM-1179-A)		KEY, Woodruff, ni-S., 3/32 x 1/2 (No. 304)	2	
	G067-1200806	01-8	(HM-4809-A)		PIN, retaining, engine oil pump drive gear (5/32 x 1 1/16)	1	
	G067-1200615	01-8	A163258 (HM-22154-A)	A163258	GEAR, idler, engine oil pump (10 teeth)	2	
H-1	H001-0718022	01-8	218564 (HM-28-A)		NUT, reg., hex., s-fin., S., 5/16-24NF-2 (engine oil pump oil pressure adjusting screw)	1	
	G067-1200720	01-8	A163209 (HM-1660-A)	A163209	NUT, engine oil pump oil pressure relief valve screw (special, hex., 5/8-11NC)	1	
	G136-0155700	01-8	(HM-11816-A)		PIN, dowel, engine oil pump (3/10 x 9/16)	2	
	G134-0338750	01-9	(HM-42819-BS)		PIPE, suction, engine oil pump, assembly	1	
					(Composed of:		
	G134-0125724		(HM-42818-A)		1–BRACKET		
			(HM-42829-A)		1–FLANGE		
			(HM-42828-B)		1–PIPE		
			(HM-14899-A)		1–WASHER)		
H-1	H001-1031004	01-9	220623 (HM-4605-A)		SCREW, cap, hex-hd., S., dld. f/lkg-wire., 5/16-18NC-2 x 3/4 (replaces SCREW, HM-4039-A)	4	
H-1	H001-1518008	01-8	103320 (HM-615-A)		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	4	
	G120-0447760		(HM-266-A)		WIRE, locking, engine oil pump pipe attaching screw (No. 18 gage) (in one-pound rolls)	A. R.	
	G134-03-45900		(HM-42424-CS)		PUMP, oil, engine, assembly	1	
					(Composed of:		
	G134-0122180		(HM-42117-A)		2–BLADE		
	G136-0124070		(HM-42129-D)		1–BODY		
	G134-0124014		(HM-42425-C)		1–BODY		
	G136-0140204		(HM-42128-A)		1–COVER		
	G136-0155700		(HM-11816-A)		2–DOWEL		
	G134-0156900		(HM-42130-A)		1–DRIVER		
	G067-1200535		(HM-22119-A)		1–GASKET		
	G067-1200615		(HM-22154-A)		2–GEAR		
	G067-1200620		(HM-45266-A)		1–GEAR		
H-1	H001-0518006		(HM-1179-A)		2–KEY		
	G067-1200806		(HM-4809-A)		1–PIN		

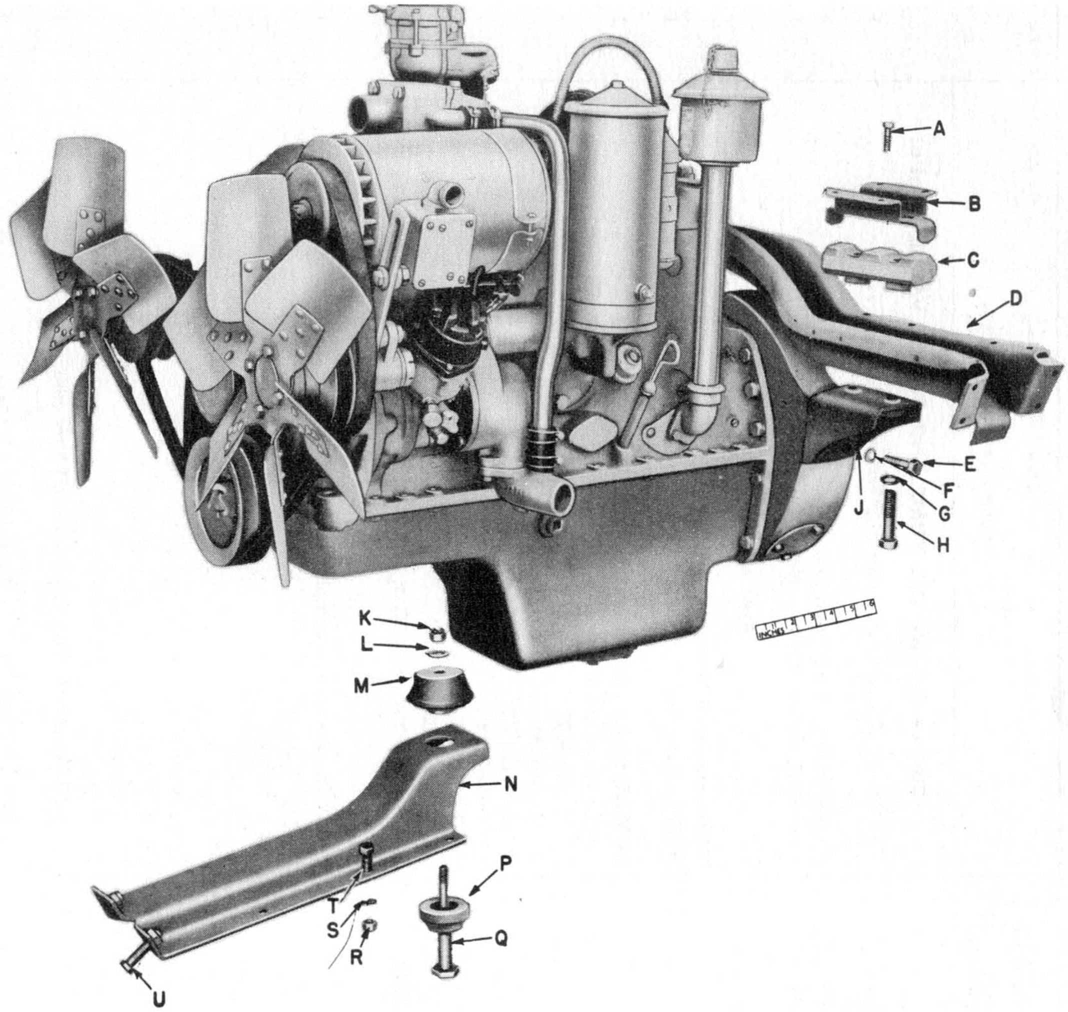
	G136-0382048		(HM-11789-A)		4–SCREW	
	G136-0382049		(HM-11790-A)		2–SCREW	
H-1	H001-1031001		(HM-4253-A)		1–SCREW	
	G067-1201190		(HM-22155-A)		1–SHAFT	
	G134-0384674		(HM-42119-A)		1–SHAFT	
	G067-1201020		(HM-4387-A)		1–SNAP RING	
	G134-0389683		(HM-42118-A)		1–SPRING	
	G067-1201580		(HM-2047-A)		1–WASHER	
			(HM-11305-A)		A.R. WIRE)	
H-1	H001-1013032	01-9	213729 (HM-1864-A)		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 1	3
H-1	H001-1518009	01-9	103321 (HM-342-A)		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	3
	G067-1200465	01-8	(HM-1385-A)		RETAINER, engine oil pump oil pressure relief valve spring	1
H-1	H001-1013234	01-8	216782 (HM-2058-A)		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1 3/4 (adjusting engine oil pump pressure relief valve)	1
	G134-0442614	01-9	(HM-11786-A)		SEAL, felt, engine oil pump inlet tube (1 1/8 O.D. x 9/16 I.D. x 5/16 thk.)	1
	G134-0442610	01-9	(HM-3181-A)		SEAL, felt, engine oil pump scavenging pump outlet (3/4 I.D. x 1 1/2 O.D. x 5/16 thk.)	1
	G134-0384674	01-8	(HM-42119-A)		SHAFT, drive, engine oil pump	1
	G067-1201190	01-8	A163259 (HM-22155-A)	A163259	SHAFT, engine oil pump idler (1/2 x 2 11/16)	2
	G067-1201020	01-8	A163225 (HM-4387-A)	A163225	SNAP RING, retaining, engine oil pump gears	2
	G067-1201410	01-8	A163205 (HM-1347-A)	A163205	SPRING, engine oil pump oil pressure relief valve	1
	G134-0389683	01-8	(HM-42118-A)		SPRING, engine oil scavenger pump vane	1
	G134-0398495	01-9	(HM-11711-A)		TEE, engine oil pump oil pressure relief valve drain tube	1
	G134-0407774	01-9	(HM-42840-AS)		TUBE, drain, engine oil pump oil pressure relief valve	1
					(Composed of:	
	G134-0407777		(HM-42840-A)		1–NUT	
			(HM-7052-A)		1–TUBE)	
	G134-0407773	01-9	(HM-42811-BS)		TUBE, lubrication, engine oil pump drive gear, assembly	1
					(Composed of:	
			(HM-42812-A)		1–CLIP	
			(HM-14947-A)		1–FERRULE	
			(HM-14946-A)		1–NUT	
	G134-0407776		(HM-42811-B)		1–TUBE)	
	G134-0338751	01-9	(HM-42830-BS)		TUBE, engine oil scavenging pump, assembly	1
					(Composed of:	
	G134-0125725		(HM-42832-A)		1–BRACKET	
			(HM-42829-A)		1–FLANGE	
			(HM-42831-A)		1–PIPE	
	G134-0381760		(HM-19192-A)		1–SCREEN	
			(HM-14192)		1–WASHER)	
	G134-0419386	01-9	(HM-14945-A)		UNION, engine oil pump drive gear lubricating tube (br., 3/8 tube, 3/8-24NF-2)	1



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FIGURE 01-10—ENGINE OIL FILTER, ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	SCREW	HM-17262-A	0106.2
B	GASKET	HM-11382-A	0106.2
C	COVER	HM-17259-BS	0106.2
D	GASKET	HM-32249-A	0106.2
E	SPRING	HM-17263-A	0106.2
F	ELEMENT	B247235	0106.2
G	TUBE	HM-42845-B	0106.2
H	BOLT	HM-42846-A	0106.2
J	BODY	HM-42844-CS	0106.2
K	PLUG	A164342-B	0106.2
L	GASKET	HM-17265-B	0106.2
M	BASE	HM-42247-D	0106.2
N	WASHER	103323	0106.2
P	SCREW	217054	0106.2
Q	GASKET	HM-42852-A	0106.2



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FIGURE 01-11—ENGINE MOUNTINGS

Key	*Item*	*Part No.*	*Group No.*
A	BOLT	223598	0100
B	RETAINER	B248780	0100
C	CUSHION	B248681	0100
D	CROSSMEMBER	D67370	0100
E	BOLT	227651	0100
F	WASHER	103323	0100
G	WASHER	103331	0100
H	BOLT	A284066	0100
J	BRACKET	C118018	0100
K	NUT	103046	0100
L	WASHER	103342	0100
M	CUSHION	A283897	0100
N	SUPPORT	D67388	0100
P	CUSHION	A283899	0100
Q	BOLT	A283910	0100
R	NUT	218565	0100
S	WASHER	103321	0100
T	SCREW	215992	0100
U	BOLT	223599	0100

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GROUP 01—ENGINE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0106.1—ENGINE OIL PUMP AND RELIEF VALVE (Cont'd)		
	G067-1200847	01-8	A163257 (HM-22129-A)	A163257	VALVE, relief, engine oil pump oil pressure	1	
	G134-0122180	01-8	(HM-42117-A)		VANE, engine oil scavenger pump	2	
	G067-1201580	01-8	A163215 (HM-2047-A)	A163215	WASHER, thrust, fiber, engine oil pump gear	1	
					0106.2—ENGINE OIL FILTER		
	G136-0116019	01-10	(HM-42247-D)		BASE, engine oil filter	1	
	G136-0132631	01-10	(HM-42844-CS) (FR-5267)		BODY, engine oil filter, assembly	1	
	G134-0140022	01-10	(HM-17259-BS) (FR-5241)		COVER, engine oil filter case, assembly	1	
					(Composed of:		
			(HM-17261-A)		1–COVER		
			(HM-17264-A)		1–DECAL		
	G134-0193826		(HM-17260-A)		1–GASKET		
	G134-0193824		(HM-11382-A)		1–GASKET		
	G136-0282051		(HM-17262-A)		1–SCREW		
	G136-0389811		(HM-17263-A)		1–SPRING)		
H-17	H017-0540463	01-10	B247235 (HM-17256-CS) (FR-5294)	B247235	ELEMENT, engine oil filter, assembly (type C-31-A)	1	
	G136-0183052	01-3,4	(HM-42842-DS)		FILTER, oil engine, assembly	1	
					(Composed of:		
	G134-0115530		(HM-8576-A)		1–BALL		
	G136-0116015		(HM-42849-A)		1–BASE		
	G085-1101682		(HM-1075-A)		4–PLUG		
	G120-0340655		(HM-14605-A)		1–PLUG		
	G136-0340667		(HM-3292-A)		1–PLUG		
	G156-0389801		(HM-8577-A)		1–SPRING		
H-17	H017-0540502		(HM-42843-CS)		1–UNIT)		
	G136-0124254	01-10	(HM-42846-A) (FR-11735)		BOLT, special, clamping, engine oil filter case	1	
H-1	H001-1013072	01-10	217054 (HM-352-A)		SCREW, cap, hex-hd., S., ½-13NC-2 x 1¼	4	
H-1	H001-1518011	01-10	103323 (HM-312-A)		WASHER, lock, reg., S., ½ (.515 I.D. x .859 O.D. x ⅛ thk.)	4	
	G134-0193824	01-10	(HM-11382-A) (FR-11581)		GASKET, copper, engine oil filter cover screw	1	

	G102-5323524	01-10	(HM-17265-B) (FR-11639)		GASKET, engine oil filter case (rubber, $4\frac{13}{16}$ I.D. x $\frac{3}{32}$ thk.)	1
	G136-0194078	01-10	(HM-32249-A) (FR-11582)		GASKET, engine oil filter cover	1
	G067-3194021	01-10	(HM-42852-A)		GASKET, mounting, engine oil filter ($\frac{1}{32}$ vellumoid)	1
	G136-0340210		(HM-42847-A) (FR-11734)		PLATE, retaining, engine oil filter body	1
H-6	H006-0283010	01-10	A164342-B (HM-11374-A) (FR-11584)	A164342	PLUG, pipe, engine oil filter (alloy-S., $\frac{1}{4}$-18 NPT)	1
	G136-0382051	01-10	(HM-17262-A) (FR-11580)		SCREW, retaining, engine oil filter cover	1
	G136-0389811	01-10	(HM-17263-A) (FR-11583)		SPRING, engine oil filter cover	1
	G136-0407870	01-10	(HM-42845-B) (FR-11733)		TUBE, engine oil filter, center, assembly ($\frac{9}{16}$-18NF-2 male x $8\frac{3}{4}$ x $\frac{7}{16}$-20NF-2 female)	1

0106.5—ENGINE OIL FILLER CRANKCASE VENTILATOR

	G176-6248975	01-2,3	B248975 (IWC-A-10535)	B248975	BREATHER, engine oil filler tube, assembly (used on M-8 even numbers above 3000; odd numbers above 1117; all M-20 above numbers 450)	1
	G136-0126060	01-4	B246904 (IWC-A-9670)	B246904	BREATHER, engine oil filler tube, assembly (used on M-8 even numbers below 3000; odd numbers below 1117; all M-20 below numbers 450)	1
	G136-6248976		B248976	B248976	CAP, engine oil filler tube breather (used with BREATHER, G176-6248975, B248975)	1
	G136-0140055		A285047	A285047	CONNECTOR, engine crankcase ventilator valve, tube (inverted male, br., $\frac{1}{4}$ pipe and $\frac{5}{8}$-18NF-2 x $\frac{57}{64}$)	1
H-6	H006-0265605		105423		ELBOW, street M.I., 90° black, $\frac{1}{4}$ (engine crankcase ventilator valve tube)	2
	G134-0169054		A285017 (WH-400-X-6)	A285017	ELBOW, engine valve compartment cover to manifold vacuum check valve tube (br., $\frac{3}{8}$ 90°, $\frac{1}{4}$ pipe thd., and $\frac{5}{8}$-18NF-2 x $1\frac{3}{16}$ lgh.)	1
	G134-0407995		B247209	B247209	PIPE, engine crankcase ventilator	1
	G134-0427081	01-1,2	B247031 (DN-V4-10MU)	B247031	VALVE, check, engine crankcase ventilator	1
	G067-1200525		A163252 (HM-22564-A)	A163262	GASKET, mounting, engine oil filler tube ($\frac{1}{32}$ vellumoid)	1

0106.6—ENGINE OIL PAN, ENGINE OIL GAGE AND PRESSURE SENDING UNIT

	G134-0193835	01-5	(HM-42183-B)		GASKET, engine oil pan ($\frac{1}{32}$ vellumoid)	2
	G120-0193945	01-5	(HM-296-A)		GASKET, engine oil pan drain plug	2
	G134-0193832	01-5	(HM-23052-A)		GASKET, engine oil pan strainer ($\frac{3}{32}$ cork)	1
	G136-0194225	01-4	(HM-42389-BS)		INDICATOR, engine oil level, assembly (replaced by HM-42423-BS, INDICATOR)	1
		01-3	(HM-42423-BS)		INDICATOR, engine oil level, assembly (replaces HM-42389-BS, INDICATOR)	1

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0106.6—ENGINE OIL PAN, ENGINE OIL GAGE AND PRESSURE SENDING UNIT (Cont'd)		
	G136-0333899	01-5	(HM-42396-D)		PAN, oil, engine, assembly	1	
H-1	H001-1013031		216971 (HM-315-A)		SCREW, cap, hex-hd., S., ⅜-16NC-2 x ⅞	20	
H-1	H001-1518009		103321 (HM-342-A)		WASHER, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x 3/32 thk.)	20	
	G134-0340421	01-5	(HM-14867-A)		PLUG, drain, engine oil pan	1	
	G120-0340635	01-5	(HM-11603-A)		PLUG, drain, engine oil pan, rear (magnetic, ⅞-18NF-2)	1	
	G134-0391975	01-5	(HM-42390-BS)		STRAINER, engine oil pan, assembly	1	
					(Composed of:		
	G134-0131255		(HM-42385-B)		1-CAP		
	G120-0193945		(HM-296-A)		1-GASKET		
			(HM-23318-A)		1-PLATE		
	4300-14867-A		(HM-14867-A)		1-PLUG		
			(HM-42391)		1-SCREEN		
			(HM-42392-A)		1-STRAP)		
H-1	H001-1013031	01-5	216971 (HM-315-A)		SCREW, cap, hex-hd., S., ⅜-16NC-2 x ⅞	6	
H-1	H001-1518009		103321 (HM-342-A)		WASHER, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x 3/32 thk.)	6	
	4300-42898-CS		(HM-42898-CS)		TUBE, engine oil filler, assembly (used on M-8 even numbers above 3000; odd numbers above 1117; all M-20 above numbers 450)	1	
	4300-42898-CS	01-4	(HM-42690-CS)		TUBE, engine oil filler, assembly (used on M-8 even numbers below 3000; odd numbers below 1117; all M-20 below 450)	1	
					(Consists of:		
	G136-0125800		(HM-42688-A)		1-BRACE, breather		
	G136-0338747		(HM-59041-B)		1-PIPE, breather		
	G136-0407827		(HM-42689-C)		1-TUBE, breather)		
H-1	H001-1013017		216920 (HM-303-A)		SCREW, cap, hex-hd., S., 5/16-18NC-2 x ¾	2	
H-1	H001-1518008		103320 (HM-615-A)		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	2	
	G134-0407826	01-4	(HM-40140-A)		TUBE, engine oil level, indicator (replaced by TUBE, HM-43376-B)	1	
		01-3	(HM-43376-B)		TUBE, engine oil level, indicator (replaces TUBE, G136-0407826, HM-40140-A)	1	
	G134-0194062	01-4	B246995 (KS-40391)	B246995	UNIT, sending, engine, oil pressure, assembly (used with GAGE, G134-0194061, B246994) (used on M-8 even numbers below 7836; odd numbers below 8113)	1	
	5300-40745		A284670 (KS-40745)	A284670	UNIT, sending, engine, oil pressure, assembly (used with GAGE, 5300-40730, B249030) (used on M-8 above even numbers 7836; odd numbers 8113)	1	

	G170-5277690	01-3 06-11	A277690	A277690	UNIT, sending, engine, oil pressure, assembly (120 lbs.) (replaces UNIT, A284670, 5300-40745) (used on M-8 odd numbers above 9005; and odd numbers 10987; M-20 above numbers 3320)	1

0108—ENGINE MANIFOLD

	G134-0193834	01-5	(HM-42057-B)		GASKET, intake and exhaust, engine manifold	1
	G136-0287299	01-1,2,5	(HM-42058-E)		MANIFOLD, exhaust and intake, engine, assembly	1
	G067-1200705	01-5	A163200 (HM-848-A)	A163200	NUT, engine manifold stud (reg., hex., br., 7/16-20NF-2)	12
	G067-1201155		A163228 (HM-4640-A)	A163228	SCREW, set, engine manifold (hex-hd., cone-pt., 3/8-16NC-2 x 3/4)	1
	G067-1201460	01-5	A175112 (HM-14895-A)	A175112	STUD, engine manifold to block (7/16-14NC-2 (9/16) x 1 1/2 x 7/16-20NF-2 (3/4))	12
	G067-1201650	01-5	A163207 (HM-1388-A)	A163207	WASHER, plain, engine manifold stud to block (S., 29/32 x 7/8 x 1/8)	12

GROUP 02—CLUTCH

0200—CLUTCH ASSEMBLY

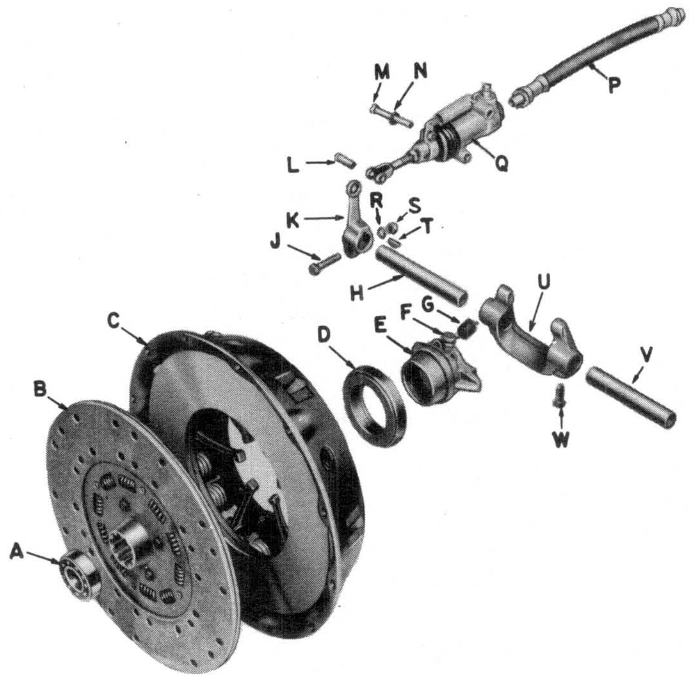
H-2	H002-0504208		B289258 (AD-1980)	B289258	FITTING, straight, lubricating, engine clutch housing, 1/8 in.	2
	G136-0217862	07-1	D67250 (WG-T-95-1-1/2)	D67250	HOUSING, engine clutch	1
H-1	H001-1013033		213733 (FM-20408-S)		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 1 1/4	12
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	12

0201—ENGINE CLUTCH, DISC, PRESSURE PLATE AND BEARING

H-12	H012-1313025	02-1	B246987 (FAF-205-D) (ND-7505)	B246987	BEARING, ball, engine clutch pilot, assembly (.983 I.D. x 2.0472 O.D. x .59 wide)	1
	G136-0152030	02-1	C118040 (LMD-CM-5556)	C118040	DISC, driven, engine clutch, w/FACINGS, assembly	1
	5020-5658-KF		(LMD-C5658-KF)		FACING SET, engine clutch drive disc (Consists of:	1
	G136-0178046		C118021 (LMD-C5563)	C118021	2–FACING, engine clutch drive disc	
	G067-0392265		A194512 (LMD-C3429)	A194512	26–RIVET, engine clutch facing)	
	G067-0700200		B156140 B246875 (LMD-C3390)	B156140 B246875	LEVER, release, engine clutch pressure plate	6
	G067-0700330		A194501 A283125 (LMD-C4345)	A194501 A283125	NUT, engine clutch pressure release lever yoke pin	6

GROUP 02—CLUTCH

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0201—ENGINE CLUTCH, DISC, PRESSURE PLATE, AND BEARING (Cont'd)		
	G067-0700390		A169251 A283121 (LMD-C3141)	A169251 A283121	PIN, clevis, engine clutch pressure release lever	6	
	G067-0700380		A283118 A169250 (LMD-C3142)	A283118 A169250	PIN, engine clutch pressure release lever yoke	6	
H-1	H001-0811038		107762 (LMD-C1046)		PIN, retaining, cotter, split, S. (type B), 3/32 x 5/8 (engine clutch pressure release lever yoke pin)	12	
	G067-0700490		D67157 D33795 (LMD-C3594)	D67157 D33795	PLATE, pressure, engine clutch	1	
	G134-0340305	01-4 02-1	C117305 (LMD-GM5527)	C117305	PLATE, pressure, engine clutch, assembly (Composed of:	1	
			(LMD-4387)		1–COVER		
			(LMD-3437)		12–CUP		
	G067-0700200		(LMD-3390)		6–LEVER		
	G067-0700330		(LMD-4345)		6–NUT		
	G067-0700380		(LMD-3142)		6–PIN		
			(LMD-3141)		6–PIN		
			(LMD-1046)		12–PIN		
			(LMD-3594)		1–PLATE		
			(LMD-3436)		12–RIVET		
			(LMD-3077)		156–ROLLER		
			(LMD-3431)		12–SPRING		
			(LMD-4346)		6–SPRING		
			(LMD-3494)		12–WASHER		
	G067-0700940		(LMD-4344)		6–YOKE)		
H-1	H001-1013017		216920 (FM-20336-S)		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	12	
H-1	H001-1516008		108579		WASHER, lock, hvy., S., 5/16 (.328 I.D. x .578 O.D. x 3/32 thk.)	12	
	G086-1101840		A194512 (LMD-3893)	A194512	RIVET, tubular, S., engine clutch facing (.158 x .180) (also part of FACING SET, G136-0138261, LMD-C5658-FK)	26	
	G067-0700550		A167561 A283122 (LMD-C3077)	A167561 A283122 (LMD-C3077)	ROLLER, needle, S., engine clutch pressure release lever (.9385 x .484 in.)	156	
	G067-0700670		A167623 A283123 (LMD-C3431)	A167623 A283123	SPRING, engine clutch pressure plate	12	



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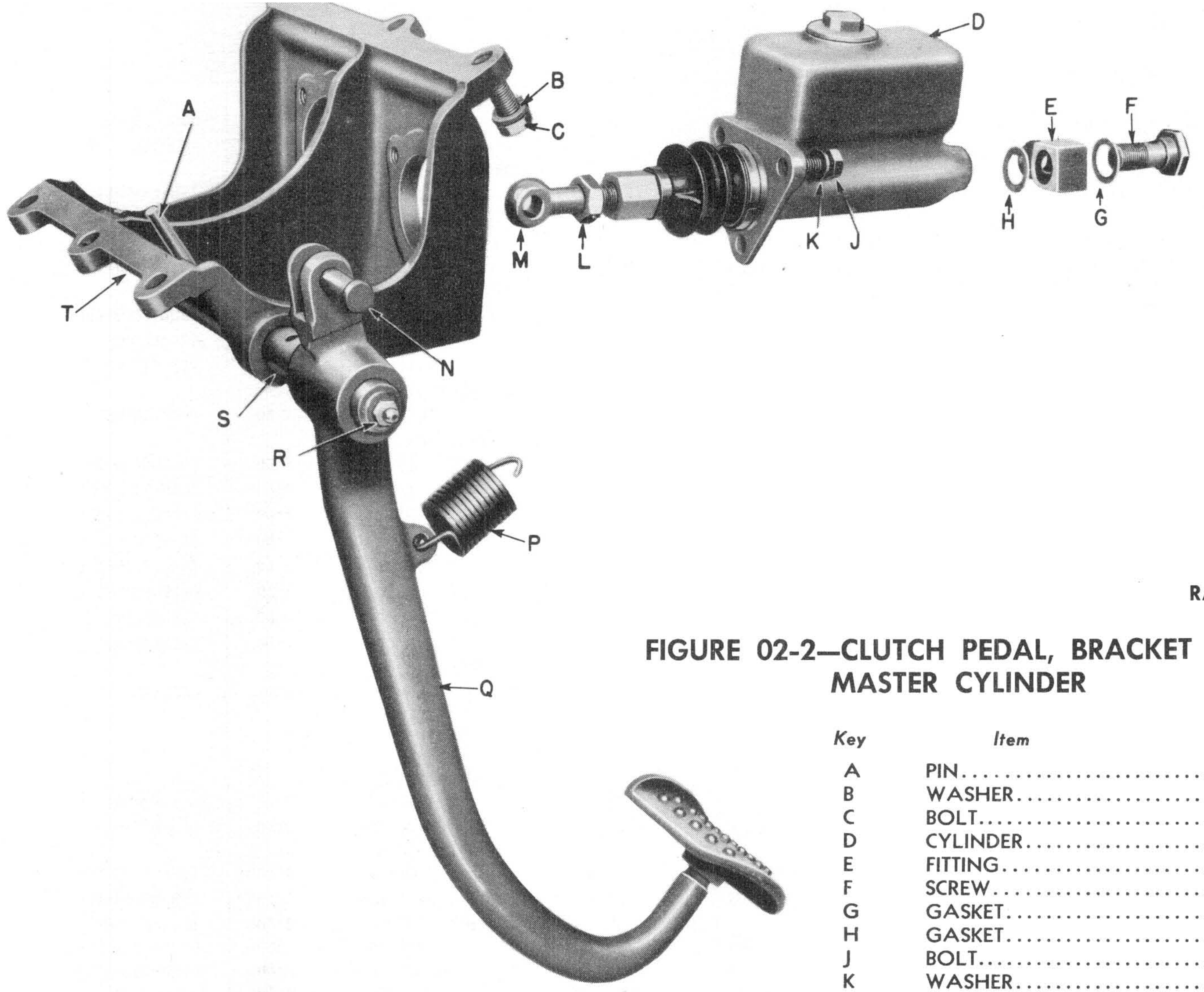
FIGURE 02-1—CLUTCH DISC AND PRESSURE PLATE (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	BEARING........................	B246987	0201
B	DISC............................	C118040	0201
C	PLATE..........................	C117305	0201
D	BEARING........................	A283126	0202
E	SLEEVE..........................	B246874	0202
F	FITTING.........................	B289258	0202
G	SPRING.........................	A284546	0202
H	SHAFT, left hand..................	B246872-B	0202
J	SCREW..........................	216794	0202
K	ARM............................	B246871	0202
L	PIN.............................	114785	0203
M	SCREW..........................	217032	0203
N	WASHER, lock....................	103321	0203
P	LINE, flexible....................	A283824	0203
Q	CYLINDER.......................	B247510	0203
R	WASHER, lock....................	103321	0202
S	NUT............................	218565	0202
T	KEY............................	124553	0202
U	YOKE...........................	B246873	0202
V	SHAFT, right hand.................	B246872-A	0202
W	SCREW..........................	A284364	0202

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GROUP 02—CLUTCH

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0201—ENGINE CLUTCH, DISC, PRESSURE PLATE, AND BEARING (Cont'd)		
	G067-0700700		A194502 A283119 (LMD-C4346)	A194502 A283119	SPRING, engine clutch pressure release lever	6	
	G067-0700040		A145786 A284829 (LMD-C3494)	A145786 A284829	WASHER, fibre, engine clutch pressure plate spring (insulator, asbestos 25/32 x 1 5/16 x 1/8 thk.)	12	
	G136-0419451		A283124 (LMD-C3328)	A283124	WEIGHT, balancing, engine clutch pressure plate	1	
	G067-0700940		A194500 A283117 (LMD-C4344)	A194500 A283117 (LMD-C4344)	YOKE, engine clutch pressure release lever	6	
					0202—ENGINE CLUTCH LINKAGE		
	G134-0110270	02-1	B246871	B246871	ARM, engine clutch release shaft	1	
H-1	H001-103248	02-1	216794		BOLT, hex-hd., 3/8-24NF-2 x 1 3/4	1	
H-1	H001-0518036	02-1	124553		KEY, Woodruff, ni-S., 1/4 x 1 (No. 808)	1	
H-1	H001-0718023	02-1	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	1	
H-1	H001-1518009	02-1	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	1	
H-12	H012-0710107	02-1	A283126 (AB-A-959-3)	A283126	BEARING, ball, engine clutch release (annular, single row, 2 1/4 I.D. x 3.687 O.D. x .797 thk.)	1	
	G136-0125911	02-2	D67362	D67362	BRACKET, engine clutch and brake pedal	1	
H-1	H001-0116249	02-2	223610		BOLT, hex-hd., s-fin., alloy-S., 7/16-20NF-2 x 1 1/4 (also in Group 1204)	6	
H-1	H001-1518010	02-2	103322		WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.) (also in Group 1204)	6	
	G136-0128015		A283816	A283816	BUSHING, engine clutch and brake pedal (burnish to .876, .0015 I.D.) (also in Group 1204)	4	
H-2	H002-0504208	02-2	504208 (AD-1980)		FITTING, lubricating, 1/8 NPT (engine clutch pedal)	1	
H-2	H002-0504208	02-1	504208 (AD-1980)		FITTING, lubricating, 1/8 NPT (engine clutch release bearing sleeve)	1	
	G136-0336070	02-2	C118051-A	C118051	PEDAL, engine clutch, w/PAD and BUSHING	1	
H-1	H001-0823005	02-2	114786 (FM-73912-S)		PIN, clevis, rod end S., 7/16 diam. (engine clutch master cylinder rod to pedal)	1	
H-1	H001-0830093	02-2	505528		PIN, straight, drill rod, .250 x 1 5/8 (engine clutch pedal bracket and master cylinder)	1	
H-1	H001-0811038		107762		PIN, cotter, split, S., (type B) 3/32 x 5/8 (engine clutch pedal to master cylinder rod)	1	
	G136-0373273		A283818	A283818	ROD, connecting, engine clutch pedal to hydraulic clutch control master cylinder	1	



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FIGURE 02-2—CLUTCH PEDAL, BRACKET AND MASTER CYLINDER

Key	*Item*	*Part No.*	*Group No.*
A	PIN	505528	0202
B	WASHER	103322	0202
C	BOLT	223610	0202
D	CYLINDER	C118057	0203
E	FITTING	A283333	0203
F	SCREW	A283332	0203
G	GASKET	A282897	0203
H	GASKET	A282898	0203
J	BOLT	227510	0203
K	WASHER	103321	0203
L	NUT	219737	0203
M	ROD	A283818	0203
N	PIN	114786	0202
P	SPRING	A283817	0202
Q	PEDAL	C118051-A	0202
R	FITTING	B289258	0202
S	SHAFT	A283815	0202
T	BRACKET	D67362	0202

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GROUP 02—CLUTCH

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col .6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0202—ENGINE CLUTCH LINKAGE (Cont'd)		
	G136-0384666	02-2	A283815	A283815	SHAFT, engine brake pedal (also in Group 1204)	1	
	G134-0384656	02-1	B246872-B	B246872	SHAFT, engine clutch release, left (S., .872 x 5.84)	1	
	G134-0384655	02-1	B246872-A	B246872	SHAFT, engine clutch release, right (S., .872 x 4.78)	1	
	G134-0221021	02-1	B246874	B246874	SLEEVE, engine clutch release bearing	1	
	G136-0389827	02-2	A283817	A283817	SPRING, retracting, engine clutch pedal (also in group 1204)	2	
	G136-0389841	02-1	A284546 (FM-48-7562)	A284546	SPRING, engine clutch release bearing sleeve	1	
	G134-0482240	02-1	B246873	B246873	YOKE, engine clutch release shaft	1	
	G134-0381830	02-1	A284364 (FM-355764-S)	A284364	SCREW, set, engine clutch release fork (sq-hd., dld f/lkg wire., S., special, 7/16-20NC-2 x 15/16)	2	
					0203—ENGINE HYDRAULIC CLUTCH CONTROL		
	G136-0124324	02-3	A283969 (LO-FC-2930)	A283969	BOOT, engine clutch hydraulic master cylinder (also part of KIT, G136-0138260, LO-FC-8425)	1	
	G148-0124322	02-4	(BX-76878)		BOOT, dust, engine clutch slave cylinder	1	
	G136-0392201	02-4	(BX-76114)		CLAMP, engine clutch hydraulic slave cylinder boot, large end	1	
	G136-0392200	02-4	(BX-76113)		CLAMP, engine clutch hydraulic slave cylinder boot, small end	1	
	G134-0137817	02-4	A283128	A283128	CLAMP, engine clutch hydraulic slave cylinder spring	1	
H-1	H001-0718021	02-4	218563		NUT, reg., hex., s-fin., S., 1/4-28NF-2	1	
H-1	H001-1030675	02-4	190921		SCREW, machine, rd-hd., S., 1/4-28NF-2 x 3/4	1	
H-1	H001-1518007	02-4	103319		WASHER, lock, reg., S., 1/4 (.265 I.D. x .453 O.D. x 1/16 thk.)	1	
	G136-0392203	02-3	A283971 (LO-FC-2931)	A283971	CLAMP, engine clutch pedal hydraulic master cylinder boot, large (also part of KIT, G136-0138260, LO-FC-8425)	1	
	G085-1102202	02-3	A283970 (LO-FC-939)	A283970	CLAMP, engine clutch pedal hydraulic master cylinder boot, small (also part of KIT, G136-0138260, LO-FC-8425)	1	
	G134-0137835	02-4	A283116	A283116	CLEVIS, engine clutch release hydraulic slave cylinder piston rod	1	
	G136-0137985		(BX-76917)		CLIP, engine clutch hydraulic slave cylinder piston retracting spring	1	
	G136-0140051	02-5	A284139 (WH-200-X-8)	A284139	CONNECTOR, engine clutch hydraulic slave cylinder to hydraulic line, 1/2 tube 3/8 pipe thd.	1	
	G136-0143546	02-3	B248760 (LO-FD-4504)	B248760	CUP, piston, engine clutch hydraulic master cylinder (also part of KIT, G136-0138260, LO-FC-8425)	1	
	G136-0143549	02-4	(BX-76111)		CUP, piston, engine clutch slave cylinder	1	
	G136-0145851	02-2,5	C118057 (LO-FE-2167-B)	C118057	CYLINDER, master, hydraulic, engine clutch control, assembly	1	
H-1	H001-0116026	02-2	227510		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	3	
H-1	H001-1518009	02-2	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	3	

	G134-0143635	02-1,5	B247510 (BX-76990)	B247510	CYLINDER, slave, hydraulic, engine clutch release, assembly	1
H-1	H001-1013039	02-1,4	217032		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 2 3/4	2
H-1	H001-1518009	02-1,4	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	2
	G134-0182851	02-2,5	A283333 (WH-272217)	A283333	FITTING, engine clutch hydraulic master cylinder tube bolt type (3/8 S., 18NF-2 x 1 3/8)	1
	G085-2101023	02-3	A283976 (LO-FC-5922)	A283976	GASKET, engine clutch hydraulic master cylinder filler plug	1
	G134-0193850	02-2,5	A282898	A282898	GASKET, copper, engine clutch hydraulic master cylinder fitting, inner (.635 I.D. x 1.00 O.D. x .0329 thk.)	1
	G134-0193849	02-2,5	A282897	A282897	GASKET, engine clutch hydraulic master cylinder fitting, outer (.725 I.D. x 1 O.D. x .0329 thk.)	1
	G134-0217685	02-4	B264150 (BX-76989)	B264150	HOUSING, engine clutch hydraulic slave cylinder	1
H-1	H001-0716024	02-4	219704		NUT, jam, hex., s-fin., 7/16-20NF-2	1
H-1	H001-0811038	02-4	107762		PIN, cotter, split, S., (type B), 3/32 x 5/8	1
	G136-0138260		(LO-FC-8425)		KIT, repair, engine clutch hydraulic master cylinder (Consists of:	1
	G136-0124324		A283969 (LO-FC-2930)	A283969	1–BOOT, engine clutch master cylinder	
	G085-1102202		A283970 (LO-FC-939)	A283970	1–CLAMP, engine clutch pedal hydraulic master cylinder boot, small	
	G136-0392203		A283971 (LO-FC-2931)	A283971	1–CLAMP, engine clutch pedal hydraulic master cylinder boot, large	
	G136-0143546		B248760	B248760	1–CUP, piston	
	G134-0193788		A283976	A283976	1–GASKET, engine filler plug	
	G136-0145852		A283950 (LO-FC-9151)	A283950	1–PISTON, engine clutch master cylinder	
	G136-0427301		A283958 (LO-FC-5905)	A283958	1–VALVE, engine clutch master cylinder, assembly	
	G136-0443077		A283967 (LO-FC-5916)	A283967	1–WASHER, engine clutch master cylinder, piston stop	
	G136-0447797		A283968 (LO-FC-5917)	A283968	1–WIRE, engine clutch master cylinder, piston stop)	
	G136-0217815	02-1	A283824 (WH-70099)	A283824	LINE, flexible, engine clutch hydraulic slave cylinder	1
	G136-0276553	02-3	A283962 (LO-FC-9210)	A283962	LINK, connecting, engine clutch hydraulic master cylinder	1
	G136-0314869		A283377 (WH-105-X-8)	A283377	NUT, connecting, engine clutch hydraulic control lines, 1/2 in.	8
H-1	H001-0716026	02-2,3	219737		NUT, jam, hex., s-fin., S., 9/16-18NF-2 (engine clutch hydraulic master cylinder, assembly)	2
H-1	H001-0823004	02-1,4	114785 (FM-73912-S)		PIN, rod end, S., 3/8 x 1 1/8 (engine clutch hydraulic slave cylinder rod clevis to clutch release shaft arm)	1
	G134-0338818	02-4	A303277 (BX-76870)	A303277	PISTON and ROD, engine clutch hydraulic slave cylinder, assembly	1

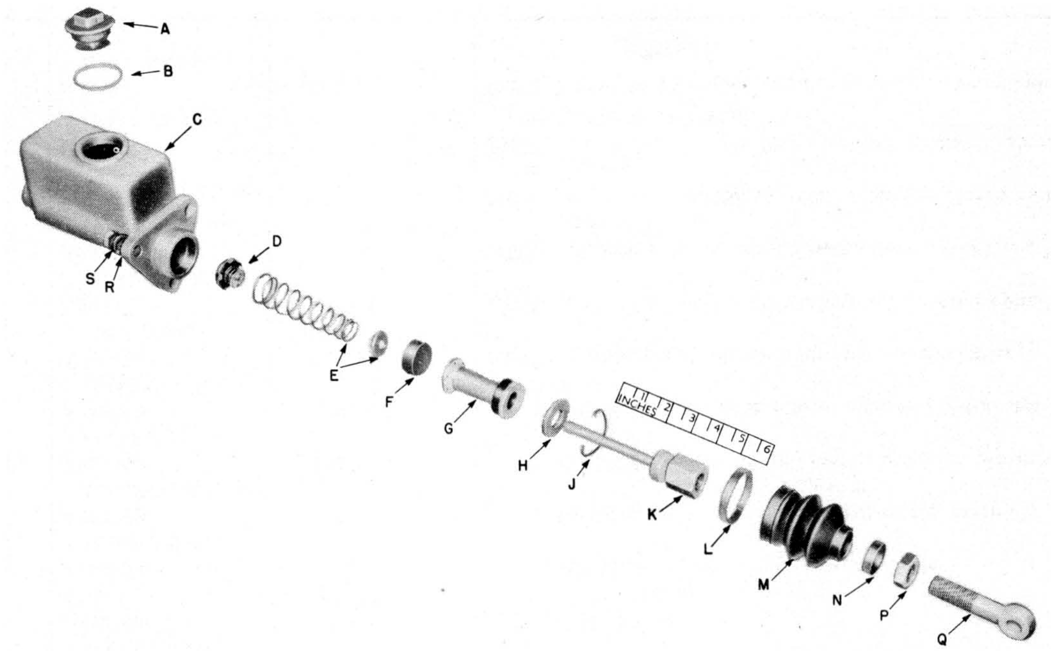
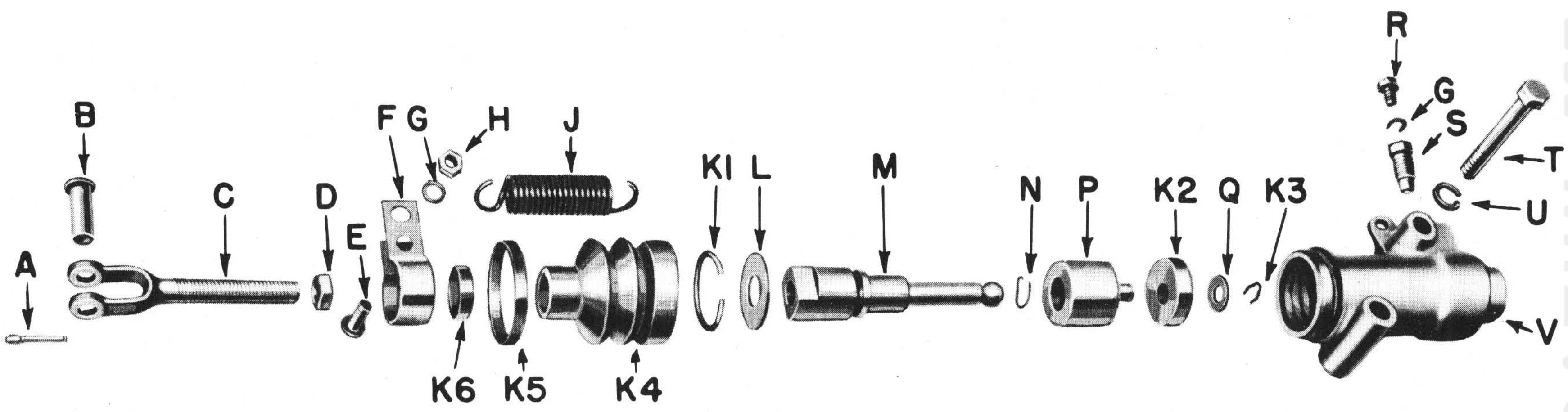


FIGURE 02-3—CLUTCH MASTER CYLINDER ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	PLUG	A167888	0203
B	GASKET	A283976	0203
C	TANK	A283948	0203
D	VALVE, assembly	A283958	0203
E	SPRING, assembly	A283955	0203
F	CUP	B248760	0203
G	PISTON, assembly	A283950	0203
H	WASHER	A283967	0203
J	WIRE	A283968	0203
K	LINK	A283962	0203
L	CLAMP	A283971	0203
M	BOOT	A283969	0203
N	CLAMP	A283970	0203
P	NUT	219737	0203
Q	ROD	A283818	0203
R	WASHER	103321	0203
S	BOLT	227510	0203

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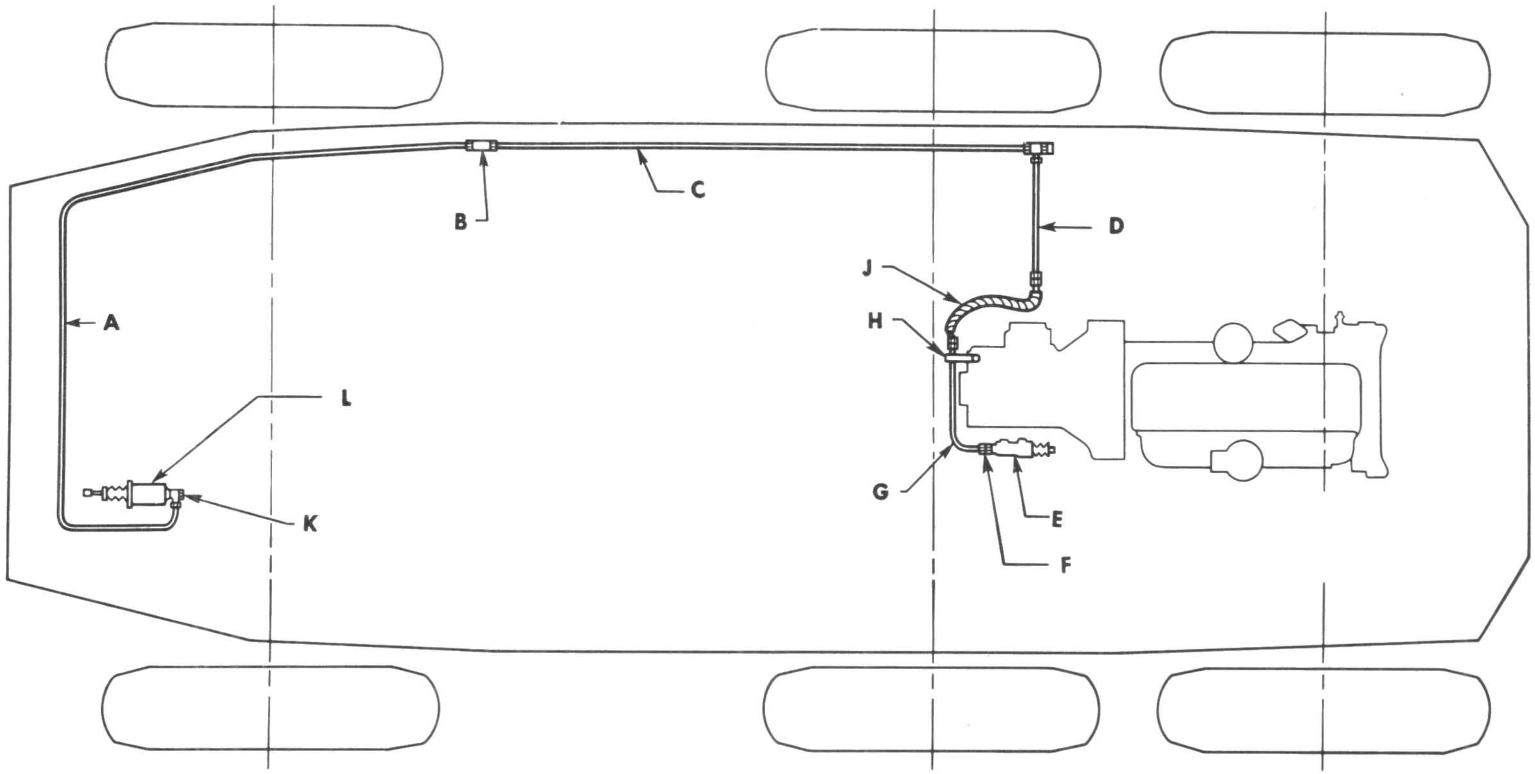


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FIGURE 02-4—CLUTCH SLAVE CYLINDER ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	PIN	107762	0203
B	PIN	103046	0203
C	CLEVIS	A283116	0203
D	NUT	219704	0203
E	SCREW	190921	0203
F	CLAMP	A283128	0203
G	WASHER	103319	0203
H	NUT	218563	0203
J	SPRING	A283323	0203
K-1	SNAP RING	BX76110	0203
K-2	CUP	BX76111	0203
K-3	WASHER, lock	BX76098	0203
K-4	BOOT	BX76878	0203
K-5	CLAMP	BX76114	0203
K-6	CLAMP	BX76113	0203
L	RETAINER	A303218	0203
M	ROD (Part of A303277)	BX76837	0203
N	SNAP RING	A303258	0203
P	PISTON	A303257	0203
Q	SPACER	A303264	0203
R	SCREW	216251	0203
S	VALVE	A303249	0203
T	SCREW	217032	0203
U	WASHER	103321	0203
V	HOUSING	B264150	0203

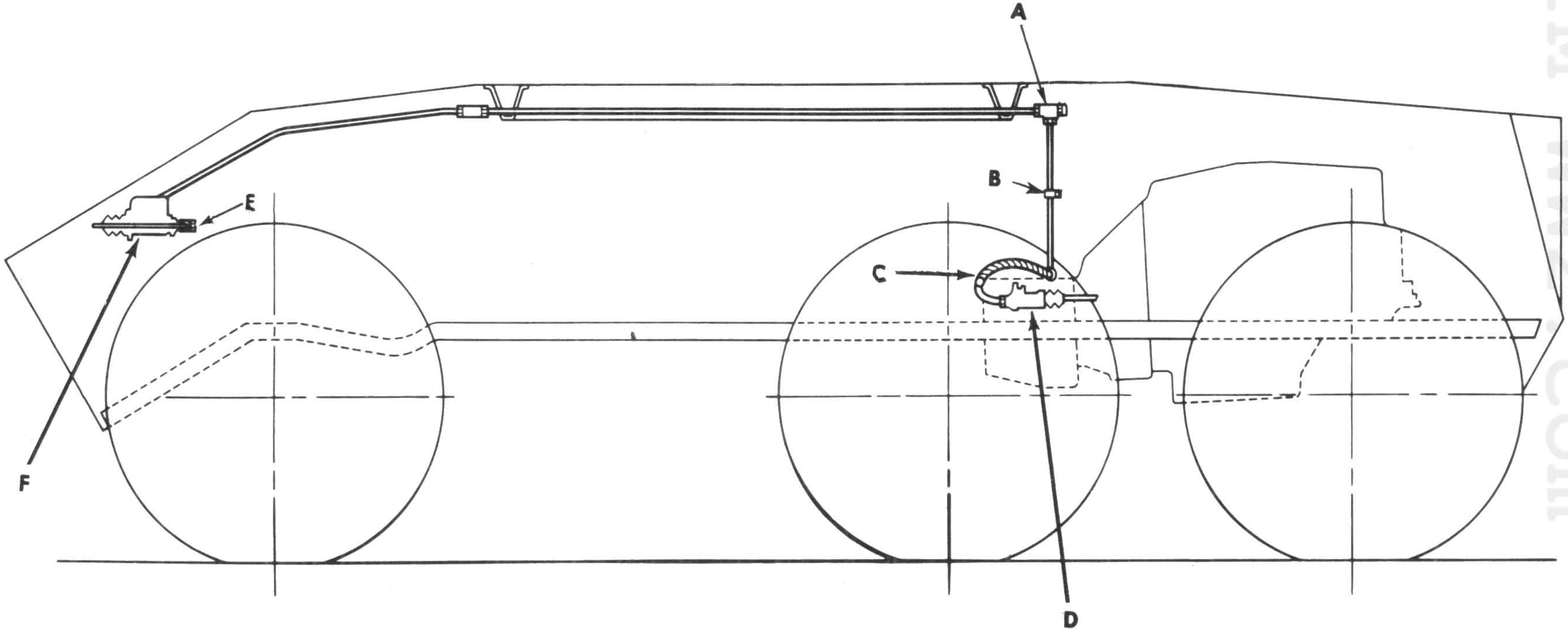
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RA PD 384222

FIGURE 02-5—CLUTCH LINE HOOK-UP (PLAN VIEW)

Key	Item	Part No.	Group No.
A	LINE	C118153	0203
B	UNION	A284953	0203
C	LINE	A283820	0203
D	LINE	B248913	0203
E	CLUTCH, slave cylinder	B247510	0203
F	CONNECTOR	A284139	0203
G	LINE	A284128	0203
H	CLAMP	A284164	0203
J	LINE, flexible	A283824	0203
K	FITTING	A283333	0203
L	CLUTCH, master cylinder	C118057	0203



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FIGURE 02-6—CLUTCH LINE HOOK-UP (SIDE VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	VALVE, bleeder	B248904	0203
B	CLIP	A276931-B	0203
C	LINE, flexible	A283824	0203
D	CLUTCH, slave cylinder	B247510	0203
E	FITTING	A283333	0203
F	CLUTCH, master cylinder	C118057	0203

RA PD 348223C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0203—ENGINE HYDRAULIC CLUTCH CONTROL (Cont'd)		
	G136-0145852	02-3	A283950 (LO-FC-9151)	A283950	PISTON, engine clutch hydraulic master cylinder, assembly (also part of KIT, G136-0138260, LO-FC-8425)	1	
	G134-0338817	02-4	A303257 (BX-76776)	A303257	PISTON, engine clutch hydraulic slave cylinder	1	
	G067-0601480	02-3	A167888 (LO-FC-4073)	A167888	PLUG, filler, engine clutch hydraulic master cylinder	1	
	G136-0340682		A283949 (LO-FC-5904)	A283949	PLUG, engine clutch hydraulic master cylinder	1	
	G134-0367342	02-4	A303218 (BX-76109)	A303218	RETAINER, piston, engine clutch hydraulic slave cylinder	1	
	G134-0124438		A303263 (BX-76838)	A303263	RING, engine clutch hydraulic slave cylinder boot	1	
	G136-0369931		A283954 (LO-FC-5915)	A283954	RING, piston, engine clutch hydraulic master cylinder, secondary cup	1	
	G136-0373273	02-2,3	A283818	A283818	ROD, connecting, engine clutch pedal to hydraulic clutch control, master cylinder	1	
	G134-0124043	02-2,5	A283332	A283332	SCREW, engine clutch hydraulic master cylinder outlet fitting	1	
H-1	H001-1013211	02-4	216251 (BX-900023)		SCREW, cap, hex-hd., S., ¼-28NF-2 x ⅜ (engine clutch hydraulic slave cylinder bleeder valve)	1	
	G134-0369787		A303261 (BX-76836)	A303261	SNAP RING, retaining, engine clutch hydraulic slave cylinder boot	1	
	G134-0369786	02-4	A303258 (BX-76777)	A303258	SNAP RING, retaining, engine clutch hydraulic slave cylinder piston rod	1	
	G136-0367643	02-4	(BX-76110)		SNAP RING, retaining, engine clutch hydraulic slave cylinder piston	1	
	G134-0389408	02-4	A303264 (BX-76869)	A303264	SPACER, piston cup, engine clutch hydraulic slave cylinder	1	
	G136-0389842	02-3	A283955 (LO-FC-9141)	A283955	SPRING, engine clutch hydraulic master cylinder, assembly	1	
	G134-0389665	02-4	A283323	A283323	SPRING, retracting, engine clutch hydraulic slave cylinder piston rod	1	
	G136-0396321	02-3	A283948 (LO-FC-9212)	A283948	TANK, supply, engine clutch hydraulic master cylinder	1	
H-7	H007-0218130		44T-5080-30		TUBING, copper, ½ O.D., engine clutch control hydraulic lines (in 10′ rolls)	A.R.	
	G136-0408041	02-5	C118153	C118153	TUBING, engine clutch hydraulic line front, assembly (S., ½ x 102)	1	
	G136-0408029	02-5	A283820	A283820	TUBING, engine clutch hydraulic line, rear side, assembly (S., ½ x 8½)	1	
	G136-0408037	02-5	B248913	B248913	TUBING, engine clutch hydraulic line, (S., ½ x 31½)	1	
	G136-0137986	02-6	A276931-B	A276931	CLIP, hold down, engine clutch hydraulic line, rear, ½ in.	1	
H-1	H001-1026532	02-6	225490		SCREW, mach., oval-fil-hd., S., ¼-28NF-2 x 7/16	1	
H-1	H001-1519009	02-6	115547		WASHER, lock, internal teeth, reg., S., ¼	1	

	G136-0408034	02-5	A284128	A284128	TUBING, engine clutch slave cylinder to flexible hose, assembly (S., ½ x 16½)	1
	G136-0137800	02-5	A284164	A284164	CLAMP, attaching, engine clutch line to transmission cover, ½ tube	1
	G134-0419388	02-5	A284953 (WH-302-X-8)	A284953	UNION, connecting, engine clutch hydraulic line to front clutch line (½ inverted flared tube, br. ¾-18NS-2 x 29/32)	1
	G136-0122292	02-6	B248904	B248904	VALVE, bleeder, engine clutch hydraulic line	1
	G134-0381937	02-6	A282878 (BX-25573)	A282878	SCREW, S., ⅜-24NF-2 x 1/16 dld., ½ deep, No. 10-32 SAE thd.	1
	G133-0381852	02-6	A282629 (BX-37241)	A282629	SCREW, engine clutch hydraulic line bleeder fitting (hex-hd., cap, No. 10-32 x ¼)	1
H-1	H001-1518005	02-6	106497		WASHER, lock, reg., S., No. (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	1
	G136-0427301	02-3	A283958 (LO-FC-5905)	A283958	VALVE, engine clutch hydraulic master cylinder, assembly (also part of KIT, G136-0138260, LO-FC-7425)	1
	G134-0381930	02-4	A303249 (BX-76389)	A303249	VALVE, bleeder, engine clutch hydraulic slave cylinder	1
H-1	H001-1518007	02-4	103319 (BX-40-S-31)		WASHER, lock, reg., S., ¼ (.265 I.D. x .453 O.D. x 1/16 thk.)	1
H-1	H001-1518009	02-3	103321		WASHER, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x 3/32 thk.) (engine clutch hydraulic master cylinder to bracket)	2
	0820-76098	02-4	BX-76098		WASHER, lock, engine clutch slave cylinder	1
	G136-0443077	02-3	A283967 (LO-FC-5916)	A283967	WASHER, piston stop, engine clutch hydraulic master cylinder (also part of KIT, G136-0138260, LO-FC-7425)	1
	G136-0447797	02-3	A823968 (LO-FC-5917)	A823968	WIRE, piston stop, engine clutch hydraulic master cylinder (also part of KIT, G136-0138260, LO-FC-8425)	1

GROUP 03—FUEL SYSTEM

0301—ENGINE CARBURETOR

		03-2	(Z-B4-26-A)		BODY, engine carburetor air intake, assembly	1
	G136-0124092	03-2	(Z-B2-156-2)		BODY, engine carburetor throttle, assembly	2
H-1	H001-1013004	03-2	216958 (Z-T-18S25-14)		SCREW, cap, hex-hd., S., ¼-20NC-2 x ⅞	4
H-1	H001-1516007		108578 (Z-T-43-25)		WASHER, lock, hvy., S., ¼ (.265 I.D. x .453 O.D. x 5/16 thk.) (part of KIT Z-C182-157)	4
	G184-7007232	03-2	(Z-B3-89E)		BOWL, fuel, engine carburetor, assembly	1
	G067-1500238		(Z-CR9-3)		BUSHING, engine carburetor throttle control shaft	2
	G134-0131584	03-13 01-1,2	C118305 (ZC-29-WX-2)	C118305	CARBURETOR, engine, assembly	1
	G136-0314871	03-2	A283483	A283483	NUT, engine carburetor to manifold stud (reg., hex-hd., s-fin., S., 7/16-20NF-2)	2
	G120-0392265	03-2	(HM-4185-A)		STUD, engine carburetor to manifold (S., 7/16-14NC-2 (9/16) x 1⅝ x 7/16-20NF-2 (9/16))	2
H-1	H001-1518010	03-2	103322		WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x ⅛ thk.)	2

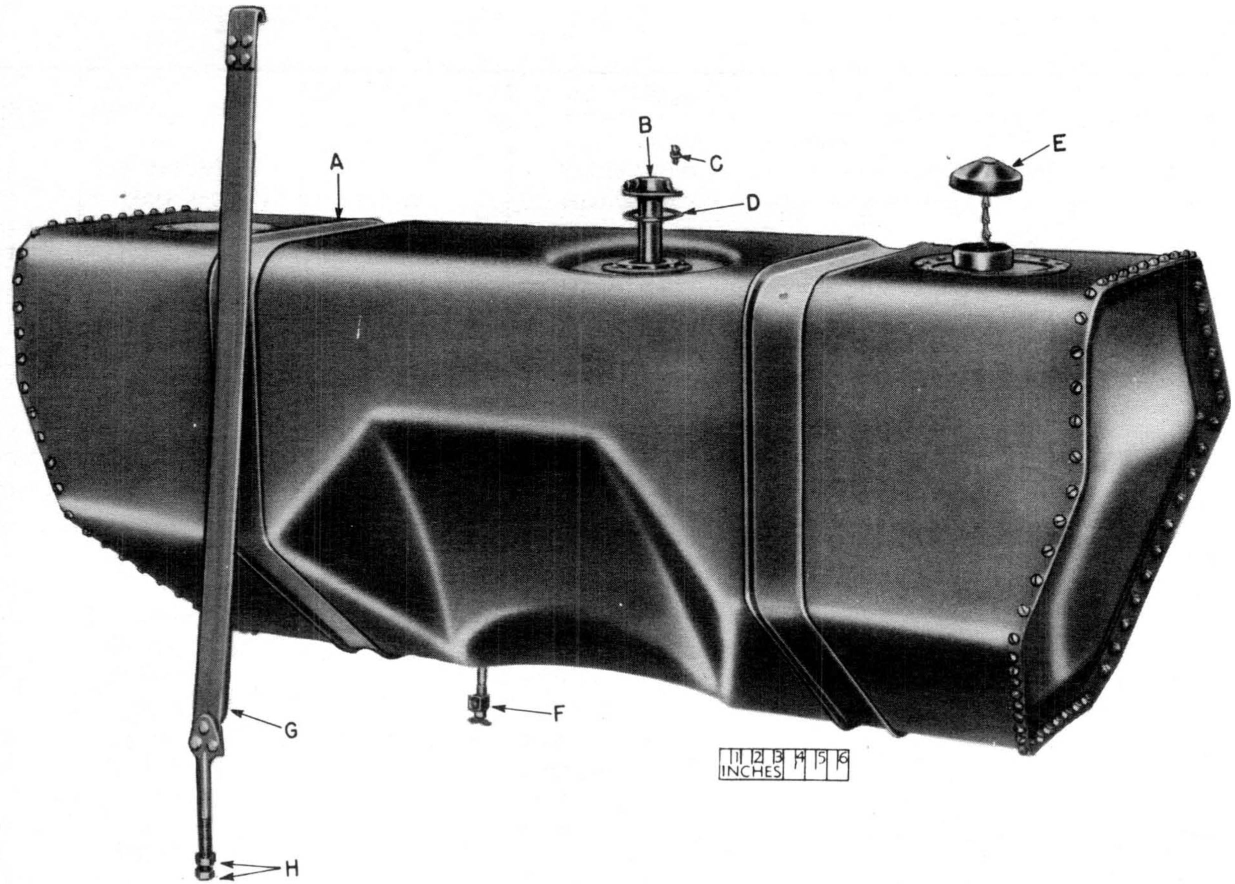
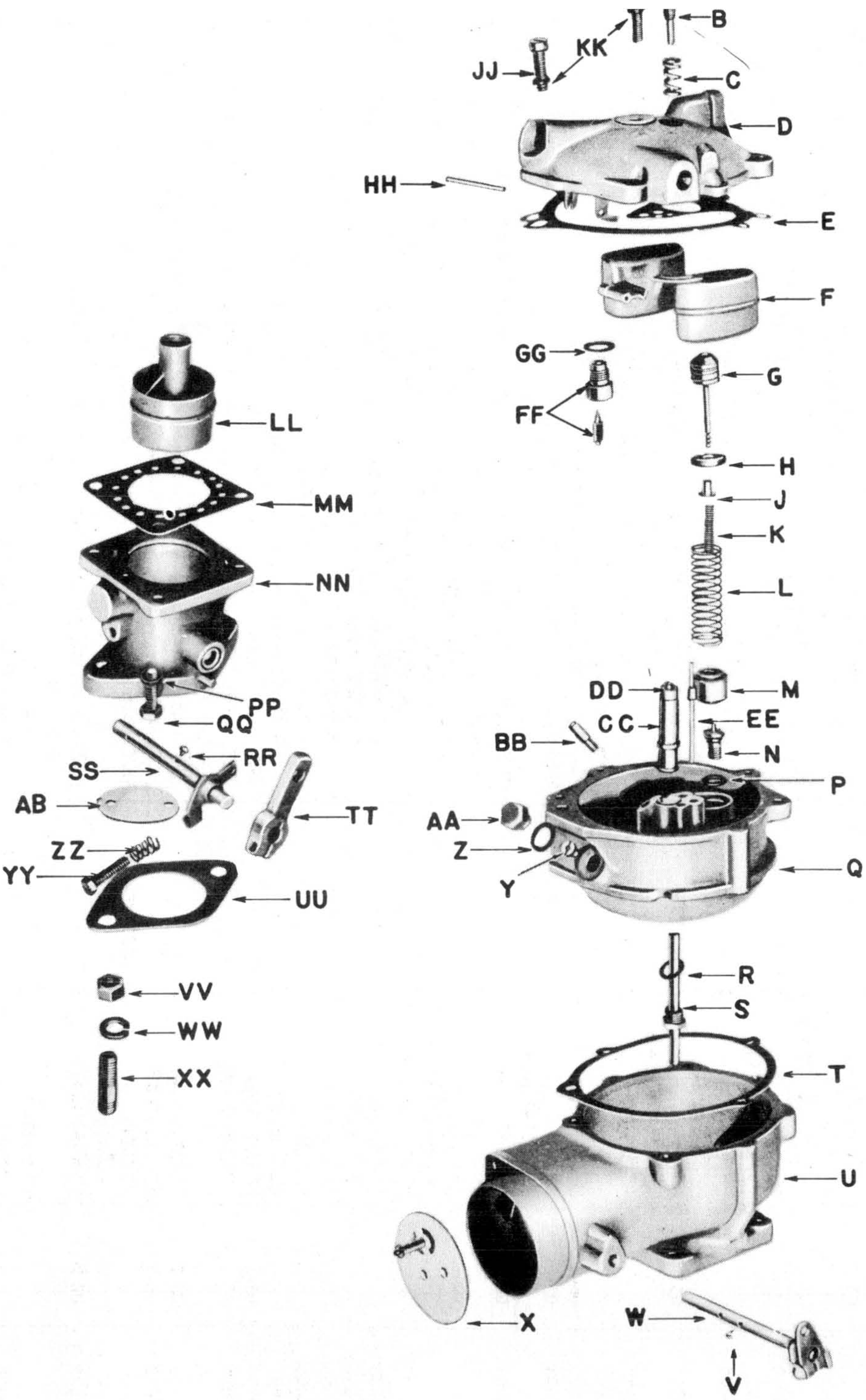


FIGURE 03-1—FUEL TANK W/FUEL LEVEL SENDING UNIT

Key	*Item*	*Part No.*	*Group No.*
A	TANK, assembly	E5515	0306
B	UNIT, sending, fuel level	7058823	0306
C	SCREW	424148	0306
D	GASKET	A283426	0306
E	CAP	FM-GPW9030-A	0306
F	COCK	B248888	0312
G	STRAP	C119439	0306
H	NUT	218570	0306

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0301—ENGINE CARBURETOR (Cont'd)		
		03-2	(Z-B6-13-A)		COVER, bowl, assembly	1	
H-1	H001-1026116		100683 (Z-T11S12-32)		SCREW, mach., oval-fil-hd., S., No. 12 (.216)-24NC-2 x 2 bowl cover to intake, assembly	2	
H-1	H001-1026109		100675 (Z-T11S12-12)		SCREW, mach., oval-fil-hd., No. 12 (.216)-2 x 3/4 (cover to bowl)	2	
H-1	H001-1518006		106498 (Z-T41-12)		WASHER, lock, reg., S., No. 12 (.216) (.22 I.D. x .351 O.D. x 1/16 thk.)	4	
	G136-0169207	01-1	A276949 (WH-400X5)	A276949	ELBOW, engine carburetor to fuel pump pipe (5/16 tube to 1/8 pipe)	1	
	G136-0184920		(Z-C85-79)		FLOAT, engine carburetor, assembly (replaced by FLOAT, G121-0184900, ZC-85-96)	1	
	G121-0184900	03-2	(Z-C85-96)		FLOAT, engine carburetor, assembly	1	
	G136-0194033	03-2	A284083 (Z-C141-4-7)	A284083	GASKET, mounting, engine carburetor	1	
	G136-0383103	03-2	(Z-C181-157)		GASKET SET, engine carburetor (also part of KIT Z-C182-157)	1	
					(Composed of:		
			(Z-C144-9)		1–GASKET, bowl to cover		
			(Z-C143-19)		1–GASKET, bowl to intake		
			(Z-C142-48)		1–GASKET, throttle body to intake		
	G136-0194033		(Z-C141-4-7)		1–GASKET, carburetor flange		
	G067-1501952		(Z-T56-20)		1–WASHER, carburetor jet		
	G067-1501960		(Z-T56-23)		1–WASHER, fibre, bowl plug		
	G085-1102384		(Z-T56-14)		1–WASHER, power jet valve		
	G136-0443097		(Z-T56-69)		1–WASHER, fibre, fuel valve seat		
	G067-1500751	03-2	(Z-C52-7-33)		JET, main, engine carburetor, (No. 33-1)	1	
	G136-0243041		(Z-C66-57-80)		JET, engine carburetor main discharge (replaced by JET, G136-0701849, Z-C66-57-90)	1	
	G136-0701849	03-2	(Z-C66-57-90)		JET, engine carburetor main discharge (replaces JET, G136-0243041, Z-C66-57-80)	1	
	G067-1500752	03-2	(Z-C55-19-17)		JET, engine carburetor power by-pass (No. 17)	1	
	G136-0243043		A277284 (Z-C77-23-14)	A277284	JET, engine carburetor well vent	1	
	G136-0131625	03-2	(Z-C182-157)		KIT, repair, engine carburetor	1	
					(Composed of:		
			(Z-C120-31)		1–AXLE, float		
	G121-0124220		(Z-CR42-15)		1–BODY, check valve		
	G067-1500465		(Z-CR44-5)		1–DISC, check valve		
	G136-0383103		(Z-C181-157)		1–GASKET SET, engine carburetor		
			(Z-C54-22-15)		1–JET, idle No. 15		
			(Z-C131-2)		1–PLUG, shaft hole		



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FIGURE 03-2—ENGINE CARBURETOR ASSEMBLY (EXPLODED)

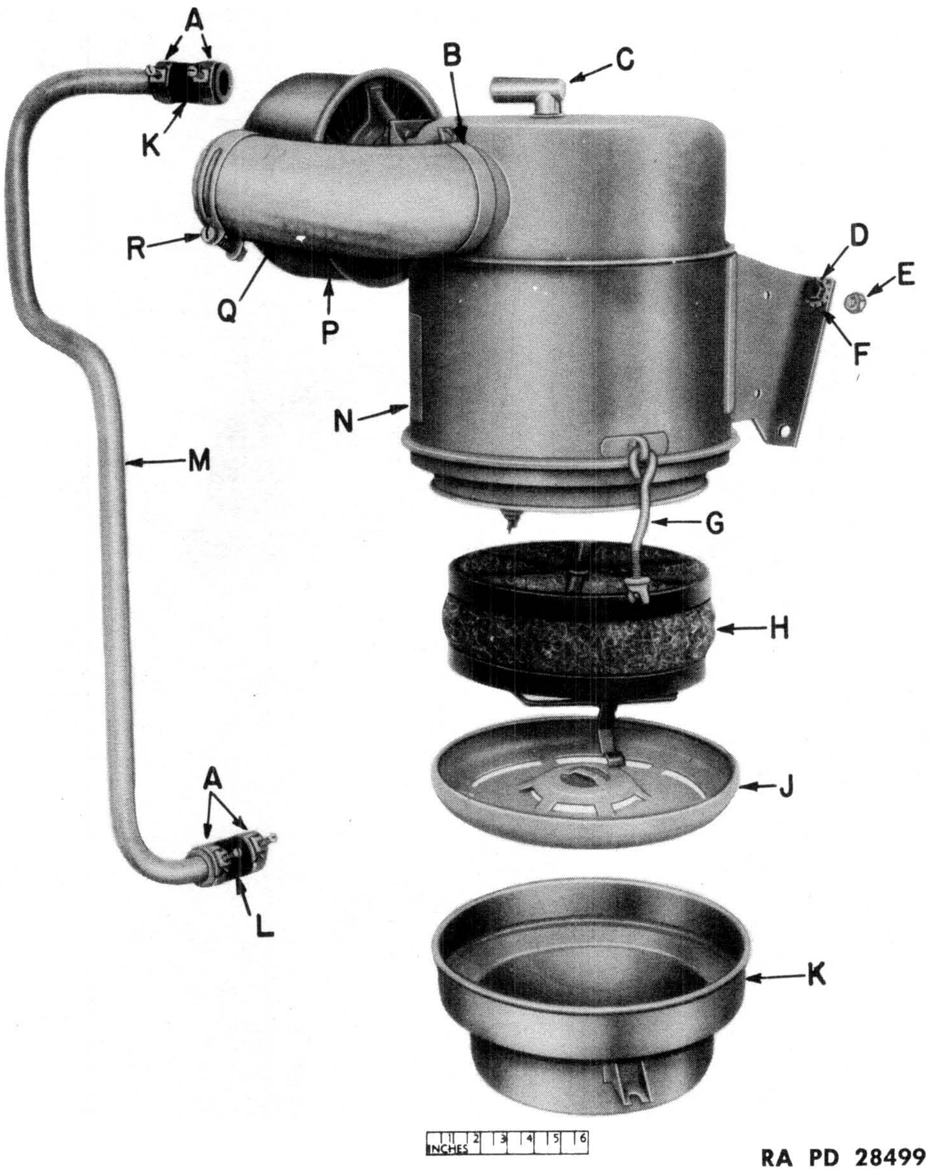
FIGURE 03-2—ENGINE CARBURETOR ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	132221	0301
B	SCREW	A277288	0301
C	SPRING	A277289	0301
D	COVER	Z-B6-13-A	0301
E	GASKET	Z-C144-9	0301
	(Part of Kit Z-C181-100)		
F	FLOAT	Z-C85-96	0301
G	PISTON	Z-92-14	0301
	(Part of Z-C36-29-3)		
H	RETAINER	Z-CR115-25	0301
	(Part of Z-C36-29-3)		
J	COLLAR	Z-C9-52-1	0301
	(Part of Z-C36-29-3)		
K	SPRING	Z-C111-130	0301
	(Part of Z-C36-29-3)		
L	SPRING	Z-C111-136	0301
	(Part of Z-C36-29-3)		
M	PISTON	Z-C34-25	0301
	(Part of Z-C36-29-3)		
N	VALVE	Z-C97-20-18	0301
	(Part of Kit Z-C182-157)		
P	WASHER	Z-T56-14	0301
	(Part of Kit Z-C181-157)		
Q	BOWL	Z-B3-89-E	0301
R	WASHER	Z-T56-20	0301
	(Part of Kit Z-C181-157)		
S	JET	Z-C66-57-90	0301
T	GASKET	Z-C143-19	0301
	(Part of Kit Z-C181-157)		
U	BODY	Z-B4-26-A	0301
V	SCREW	Z-C136-3	0301
	(Part of Kit Z-C182-157)		
W	LEVER	Z-C106-129	0301
W	SCREW	Z-C-T5-5-S-10-10	0301
W	NUT	Z-T21-S-10	0301
W	SHAFT	Z-C105-184	0301
X	SHUTTER	Z-C101-43	0301
Y	JET	Z-C52-7-33	0301
Y	WASHER	Z-T56-14	0301
	(Part of Kit Z-C181-157)		
Z	WASHER	Z-T56-23	0301
	(Part of Kit Z-C181-157)		
AA	PLUG	A277281	0301
BB	VENT	Z-C77-23-14	0301
CC	WELL	Z-C76-27-2	0301
DD	JET	Z-C55-19-17	0301
EE	JET	Z-C54-22-15	0301
	(Part of Kit Z-C182-157)		
FF	NEEDLE and SEAT	Z-C81-1-45	0301
	(Part of Kit Z-C182-157)		
GG	WASHER	Z-T56-69	0301
	(Part of Kit Z-C181-157)		
HH	AXLE	Z-C120-31	0301
	(Part of Kit Z-C182-157)		
JJ	SCREW	132198	0301
KK	WASHER	Z-T41-12	0301
	(Part of Kit Z-C182-157)		
LL	VENTURI	Z-C38-57-35	0301
MM	GASKET	Z-C142-48	0301
	(Part of Kit Z-C181-157)		
NN	BODY	Z-B2-156-2	0301
PP	WASHER	Z-T43-25	0301
	(Part of Kit Z-C182-157)		
QQ	SCREW	Z-T18-S-25-14	0301
RR	SCREW	Z-C136-15	0301
	(Part of Kit Z-C182-157)		
SS	SHAFT and STOP LEVER	Z-C29-504	0301
TT	LEVER	Z-C24-10-AAX3	0301
UU	GASKET	A284083	0301
	(Part of Kit Z-C182-157)		
VV	NUT	A283483	0301
WW	WASHER	103322	0301
XX	STUD	HM-4185-A	0301
YY	SCREW	A277195	0301
ZZ	SPRING	A277196	0301
AB	VALVE	Z-C21-141	0301

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GROUP 03—FUEL SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0301—ENGINE CARBURETOR (Cont'd)		
	G067-1200853		(Z-CR137-19)		1–PLUG, shaft hole		
			(Z-C36-29-3)		1–PUMP, accelerator		
			(Z-C116-2-3)		1–RETAINER, packing		
			(Z-C136-3)		2–SCREW, air shutter		
			(Z-C136-15)		2–SCREW, throttle plate		
			(Z-C81-1-45)		1–SEAT, valve, No. 45		
			(Z-C41-18)		1–VALVE, check		
			(Z-C97-20-18)		1–VALVE, power		
H-1	H001-1518006		(Z-T41-12)		2–WASHER, lock, cover screw		
H-1	H001-1518006		(Z-T41-12)		2–WASHER, lock, bowl screw		
H-1	H001-1516007		(Z-T43-25)		4–WASHER, lock		
	G136-0333647		(Z-CT57-1)		1–WASHER, packing)		
	G136-0274283	03-2	(Z-C106-129)		LEVER, engine carburetor air shutter	1	
H-1	H001-0716610	03-2	103088 (Z-T21S1D)		NUT, mach., screw, hex., S., No. 10 (.190)-23NF-1	1	
H-1	H001-1030582	03-2	112872 (Z-CT5S10-10)		SCREW, rd-hd., S., No. 10-32NF-2 x 5/8	1	
	G136-2074284	03-2	(Z-C24-10-AAX3)		LEVER, engine carburetor throttle shaft	1	
	G067-1501841	03-2	(Z-C81-1-45)		NEEDLE, engine carburetor, w/SEAT, assembly (No. 45) (part of KIT Z-C182-157)	1	
	G067-1501100	03-2	A277281 (Z-C138-23)	A277281	PLUG, engine carburetor bowl	1	
	G136-0382036	03-2	A277195 (Z-T8S-10-15)	A277195	SCREW, engine carburetor throttle stop (hex-hd., S., cad., pl., No. 10-32 x 15/16)	1	
	G067-1501381	03-2	A277288 (Z-C46-47)	A277288	SCREW, idle adjusting, engine carburetor	1	
H-1	H101-0132228	03-2	132221 (Z-T11S12-32)		SCREW, mach., fil-hd., S., cd-pltd., No. 12-24NC x 2 (engine carburetor bowl cover to intake)	2	
H-1	H001-5127661	03-2	132198 (Z-T11S12-12)		SCREW, mach., fil-hd., S., cd-pltd., No. 12-24NC-2 x 3/4 (engine carburetor cover to bowl)	2	
	G136-0382027		(Z-T18S25-14)		SCREW, engine carburetor throttle body to carburetor air intake body (hex-hd., 1/4-20NC-2 x 7/8)	4	
	G136-0384661	03-2	(Z-C105-184)		SHAFT, engine carburetor air shutter	1	
	G136-0274242	03-2	(Z-C29-504)		SHAFT, w/stop LEVER, engine carburetor throttle, assembly (includes LEVER, PIN, SHAFT, SPRING and SCREW)	1	
	G136-0385190	03-2	(Z-C101-43)		SHUTTER, air, engine carburetor, assembly	1	
	G067-1501480		A175300 (Z-C136-3)	A175300	SCREW, retainer, engine carburetor air shutter (fil-hd., 1/8-40NC-2 x .200) (part of KIT Z-C182-157)	2	

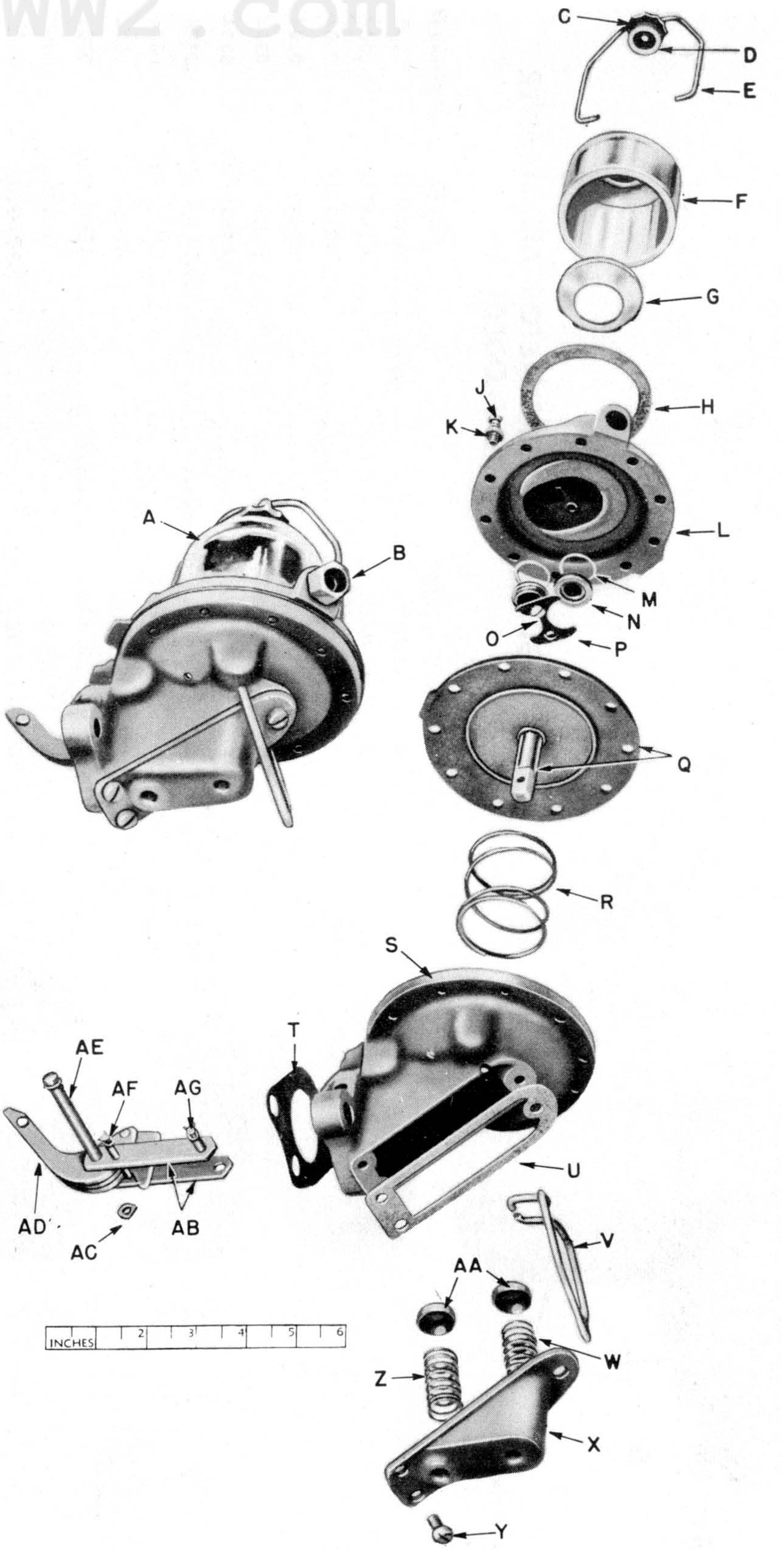


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FIGURE 03-3—CARBURETOR AIR CLEANER (EXPLODED)

Key	Item	Part No.	Group No.
A	CLAMP	A303655	1205
B	CLAMP	A284394	0304
C	ELBOW	A215789	0304
D	BOLT	223599	0304
E	NUT	218565	0304
F	WASHER	A284169-D	0304
G	EYEBOLT, assembly	UTS-A-12246	0304
H	ELEMENT	UTS-B-12267	0304
J	BAFFLE	UTS-B-12272	0304
K	OIL CUP	UTS-C-12268	0304
L	HOSE	A303967	1205
M	LINE	B248867	1205
N	SHELL	UTS-C-12266	0304
P	PRECLEANER	UTS-B-12265	0304
Q	ELBOW	B248922	0304
R	CLAMP	A283409	0304

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FIGURE 03-4—FUEL PUMP, ASSEMBLY (EXPLODED)

FIGURE 03-4—FUEL PUMP, ASSEMBLY (EXPLODED)

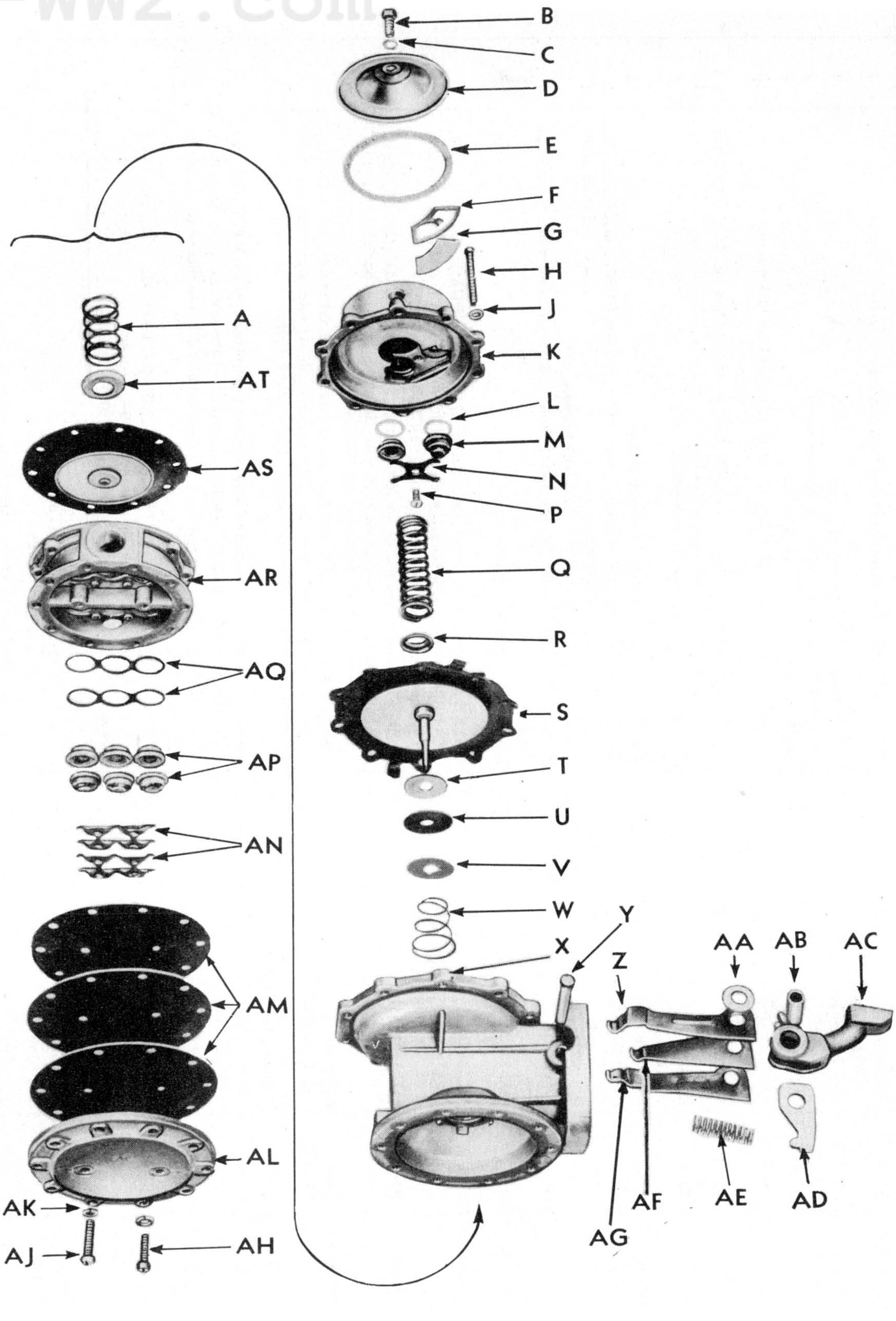
Key	Item	Part No.	Group No.
A	PUMP, assembly	C118130	0302
B	CONNECTOR	A284086	0302
C	NUT	AC855763	0302
D	SEAT	AC854005	0302
E	BAIL, w/SCREW	AC1521989	0302
F	BOWL	AC1521945	0302
G	SCREEN, assembly	AC1537212	0302
H	GASKET (Part of Kit AC1538239)	AC1521946	0302
J	SCREW (Part of Kit AC1538239)	AC855493	0302
K	WASHER (Part of Kit AC1538239)	AC855064	0302
L	COVER	AC1537075	0302
M	GASKET (Part of Kit AC1538239)	AC1521953	0302
N	VALVE, w/CAGE (Part of Kit AC1538239)	AC1523106	0302
O	SCREW	AC132696	0302
P	PLATE	AC1521956	0302
Q	DIAPHRAGM, assembly (Part of Kit AC1538239)	AC1538154	0302
R	SPRING (Part of Kit AC1538239)	AC1522169	0302
S	BODY	AC1537959	0302
T	GASKET (Part of Kit AC1538239)	A283131	0303
U	GASKET (Part of Kit AC1538239)	AC855585	0302
V	LEVER	AC1522280	0302
W	SPRING (Part of Kit AC1538239)	AC1523723	0302
X	COVER	AC1537482	0302
Y	SCREW (Part of Kit AC1538239)	AC132108	0302
Z	SPRING	AC855253	0302
AA	CAP	AC855532	0302
AB	LINK (Part of Kit AC1538239)	AC855574	0302
AC	WASHER (Part of Kit AC1538239)	AC1521288	0302
AD	ARM	AC855777	0302
AE	PIN (Part of Kit AC1538239)	AC1521972	0302
AF	CLIP	AC855017	0302
AG	PIN (Part of Kit AC1538239)	AC855016	0302

RA PD 28500C

GROUP 03—FUEL SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0301—ENGINE CARBURETOR (Cont'd)		
	G067-1501670	03-2	A277196 (Z-C111-62)	A277196	SPRING, engine carburetor throttle stop screw	1	
	G067-1501650	03-2	A277289 (Z-C111-17)	A277289	SPRING, engine carburetor idle adjusting screw	1	
	G136-5283420	01-1,2	A283420	A283420	SPRING, retracting, engine carburetor throttle lever	1	
	G067-1501027	03-2	(Z-C21-141)		VALVE, engine carburetor throttle	1	
	G136-0243043	03-2	A277284 (Z-C77-23-14)	A277284	VENT, engine carburetor well	1	
	G136-0429700	03-2	(Z-C38-57-35)		VENTURI, engine carburetor (No. 35)	1	
	G136-0445253	03-2	(Z-C76-27-2)		WELL, metering, engine carburetor	1	
					0302—ENGINE FUEL PUMP		
	G136-0110476	03-4	(AC-855777)		ARM, rocker, engine fuel pump (used for PUMP, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; and odd and even numbers between 9491 to 10185 inclusive; and all M-20 below 2505)	1	
	G121-0338652	03-4	(AC-1521972)		PIN, rocker arm, engine fuel pump	1	
	G067-1502000	03-4,5	(AC-1521288)		WASHER, rocker arm pin, engine fuel pump	2	
	G067-1500040	03-5	B170217 (AC-1537106) (AC-1538638)	B170217	ARM, rocker, engine fuel and vacuum pump (used on PUMP, FUEL and VACUUM, 7059286, 0040-1538638)	1	
	0040-1537959	03-4	(AC-1537959)		BODY, engine fuel pump	1	
	0040-1538354	03-5	(AC-1538354)		BODY, fuel pump, fuel and vacuum pump	1	
	G102-0100673	03-5	B184311 (AC-1537527)	B184311	BODY, vacuum pump, fuel and vacuum pump	1	
	G067-1500130	03-5	(AC-1523831)		BODY, oil seal, assembly	1	
	G103-1524375		(AC-1537915)		BOWL, sediment, engine fuel pump, (used for PUMP, G134-0345921, C118130) (used on M-9 below even and odd numbers 8694; odd and even numbers between 9490 to 10186 inclusive; all M-20 below 2505)	1	
	0040-1521989	03-4	(AC-1521989)		BAIL, retainer, engine fuel pump sediment bowl, w/SCREW (used for PUMP, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9491 to 10185 inclusive; all M-20 below 2505)	1	
	G085-1414736	03-4	(AC-855763)		NUT, retainer screw, engine fuel pump sediment bowl (used for PUMP, C118130, G134-0345921)	1	
	G067-1501511	03-4	(AC-854005)		SEAT, retainer, engine fuel pump sediment bowl (used for PUMP, G134-0345921, C118130)	1	
	G134-0124508	03-4	(AC-1521945)		BOWL, glass, engine fuel pump	1	
	G121-0131430	03-4	(AC-855532)		CAP, spring, engine fuel pump	2	

	G136-0140052	03-4	A284086 (WH-200X5)	A284086	**CONNECTOR**, engine fuel pump to carburetor line, 5/16 tube 1/8 pipe	1
	0040-1537482	03-4	(AC-1537482)		**COVER**, engine fuel pump, bottom	1
H-1	H001-5127335	03-4	(AC-132108)		**SCREW**, engine fuel pump, bottom cover	3
	G103-1540124	03-4	(AC-1537075)		**COVER**, engine fuel pump, top	1
H-1	H001-5127361	03-4	A214754 (AC-855493)	A214754	**SCREW**, mach., oval-fil-hd., S., (top cover, engine fuel pump)	10
H-1	H001-7025621	03-4	(AC-855064)		**WASHER**, lock, special, S., (.200 I.D. x .387 O.D. x 1/16 thk.) (top cover screw, engine fuel pump)	10
	G102-0101057	03-5	B184310 (AC-1537531)	B184310	**COVER**, plate, fuel and vacuum pump	1
	0040-1538355	03-5	(AC-1538355)		**COVER**, pulsator, fuel and vacuum pump	1
	G136-0151600	03-4	(AC-1538154)		**DIAPHRAGM**, engine fuel pump, assembly (used for **PUMP**, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9490 to 10186; all M-20 below 2505)	1
		03-13	7059282		**ELBOW**, vacuum check valve line to manifold and vacuum check line to vacuum pump	2
	G121-0192756	03-4	(AC-855585)		**GASKET**, engine fuel pump body	1
	G103-1594036	03-4	(AC-855585)		**GASKET**, engine fuel pump sediment bowl (used for **PUMP**, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9490 to 10186 inclusive; all M-20 below 2505)	1
	G067-1500650	03-4	(AC-1521953)		**GASKET**, engine fuel pump valve and cage (used for **PUMP**, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9490 to 10186; all M-20 below 2505)	2
	G067-1200525	01-4 01-5	A283131 (AC-835683) (HM-22564-A)	A283131	**GASKET**, mounting, engine fuel pump (used for **PUMP**, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9490 to 10186 inclusive; all M-20 below 2505)	1
	G067-1500640		A192013 (AC-1521294) (AC-1538638)	A192013	**GASKET**, mounting, engine fuel and vacuum pump (used on **PUMP, FUEL** and **VACUUM**, 0040-1538638, 7059286) (used on M-8 above even and odd numbers 8694; and odd and even numbers between 9490 and 10186 inclusive; all M-20 above 2505)	1
	G136-0367545	03-4	(AC-1538239)		**KIT**, repair, engine fuel pump (used for **PUMP**, G134-0345921, C118130) (used on M-8 below even and odd numbers 8694; odd and even numbers between 9490 to 10186 inclusive; all M-20 below 2505)	1
					(Consists of:	
	G136-0131546		(AC-1522196)		2–**CAP**, spring, engine fuel pump	
	G121-0137956		(AC-855017)		4–**CLIP**, link pin	
	G136-0151600		(AC-1538154)		1–**DIAPHRAGM**, engine fuel pump, assembly	
	G121-0193756		(AC-855585)		1–**GASKET**, engine fuel pump sediment bowl	
	G067-1200525		(AC-835683)		1–**GASKET**, mounting, engine fuel pump	
	G067-1500650		(AC-1521953)		1–**GASKET**, engine fuel pump valve and cage	
	G103-1594036		(AC-1521946)		1–**GASKET**, bowl	



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FIGURE 03-5—FUEL AND VACUUM PUMP (EXPLODED)

FIGURE 03-5—FUEL AND VACUUM PUMP (EXPLODED)

Key	Item	Part No.	Group No.
A	SPRING, diaphragm	A323138	0302
B	SCREW, cap	AC-1537096 215912	0302
C	GASKET	AC-1538668 A214764	0302
D	COVER	AC-1521476 B184310	0302
E	GASKET	AC-1537531 A214757	0302
F	RETAINER, screen	AC-1523801 A214759	0302
G	SCREEN	AC-1523803 A214758	0302
H	SCREW, body and cover	AC-1523802 132119	0302
J	WASHER	AC-1538679 AC-1538456	0302
K	BODY, vacuum pump	B184311	0302
L	GASKET, valve cage	AC-1537527 A292971	0302
M	VALVE and CAGE, assembly	AC-1521953 A214749	0302
N	RETAINER, valve	AC-1538865 AC-1523664	0302
P	SCREW, retainer	AC-132900	0302
Q	SPRING, diaphragm	A214760	0302
R	SEAT, spring	AC-1523804 A214761	0302
S	DIAPHRAGM, assembly	AC-1523805 B184312	0302
T	RETAINER, oil seal, upper	AC-1523809 A214735	0302 0302
U	SEAL, oil	AC-1523150 A214738	0302
V	RETAINER, oil seal, lower	AC-1522002 A214736	0302
W	SPRING, retainer	AC-1523191 A214737	0302
X	BODY and OIL SEAL, assembly	AC-1523921 AC-1523831	0302
Y	PIN, rocker arm	AC-1521287	0302
Z	LINK, R. H.	B184313	0302
AA	WASHER, rocker arm	AC-1522078 A214987	0302
AB	BUSHING, rocker arm	AC-1521288 A214741	0302
AC	ARM, rocker	AC-1523221 AC-1537106	0302
AD	SPACER	AC-1521909	0302
AE	SPRING, rocker arm	AC-1521427	0302
AF	LINK	B184240	0302
AG	LINK, L. H.	AC-1522077 B184241	0302
AH	SCREW, cover, center	AC-1522079 AC-1538678	0302
AJ	SCREW, cover	AC-1538679	0302
AK	WASHER, cover	AC-1538456	0302
AL	COVER, pulsator	AC-1538355	0302
AM	DIAPHRAGM, pulsator	AC-1538358	0302
AN	RETAINER, valve cage	AC-1538356	0302
AP	VALVE and CAGE, assembly	A214749	0302
AQ	GASKET, valve cage	AC-1538865 AC-1538357	0302
AR	BODY, fuel pump	AC-1538354	0302
AS	DIAPHRAGM, assembly	A323139	0302
AT	RETAINER, diaphragm spring	AC-1537097 AC-1523259	0302

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GROUP 03—FUEL SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0302—ENGINE FUEL PUMP (Cont'd)		
	G121-0276480		(AC-855574)		2–LINK, engine fuel pump		
	G121-0338646		(AC-855016)		2–PIN, link, engine fuel pump		
	G121-0338652		(AC-1521972)		1–PIN, rocker arm		
	G136-0381000		(AC-1537212)		1–SCREEN, fuel pump		
H-1	H001-5127335		(AC-132108)		2–SCREW, bottom cover		
H-1	H001-5127361		(AC-855493)		10–SCREW, top cover		
H-1	H001-5146441		(AC-132696)		1–SCREW, retainer, valve cage		
	G136-0389814		(AC-1523723)		1–SPRING, diaphragm, lower		
	G136-0389844		(AC-1522169)		1–SPRING, diaphragm, upper		
	G104-1827121		(AC-1523107)		2–VALVE, engine fuel pump, w/CAGE, assembly		
	G067-1502000		(AC-1521288)		2–WASHER, rocker arm pin		
H-1	H001-7025621		(AC-855064)		10–WASHER, lock, top cover screw)		
	0040-1538855	03-5	(AC-1538855)		KIT, repair, engine fuel and vacuum pump (used for PUMP, 7059286, 0040-1538638)........ (Consists of:	1	
	G067-1500270		A214741 (AC-1523221)	A214741	1–BUSHING, rocker arm pin, fuel and vacuum pump		
	G148-0151600		A323139 (AC-1537097)	A323139	1–DIAPHRAGM, fuel pump, assembly		
	G067-1500460		(AC-1523809)		1–DIAPHRAGM, vacuum pump, assembly		
	G671-7001905		(AC-1538358)		3–DIAPHRAGM, pulsator		
	G067-1500640		A192013 (AC-1538747)	A192013	2–GASKET, mounting, fuel and vacuum pump		
	G067-1500660		A214757 (AC-1523801)	A214757	1–GASKET, vacuum pump cover plate		
	G067-1500670		A214764 (AC-1521476)	A214764	1–GASKET, vacuum pump cover plate screw		
	G067-1500650		A292971 (AC-1521953)	A292971	2–GASKET, vacuum pump valve cage		
	G671-7001906		(AC-1538357)		2–GASKET, valve cage, fuel pump		
	G103-1676407		B184240 (AC-1522077)	B184240	1–LINK, fuel pump rocker		
	G067-1500890		B184241 (AC-1522079)	B184241	1–LINK, vacuum pump, L.H.		
	G067-1500900		B184313 (AC-1522078)	B184313	1–LINK, vacuum pump, R.H.		
	0040-1521287		(AC-1521287)		1–PIN, rocker arm		
	0040-1538356		(AC-1538356)		1–PLATE, fuel pump valve		

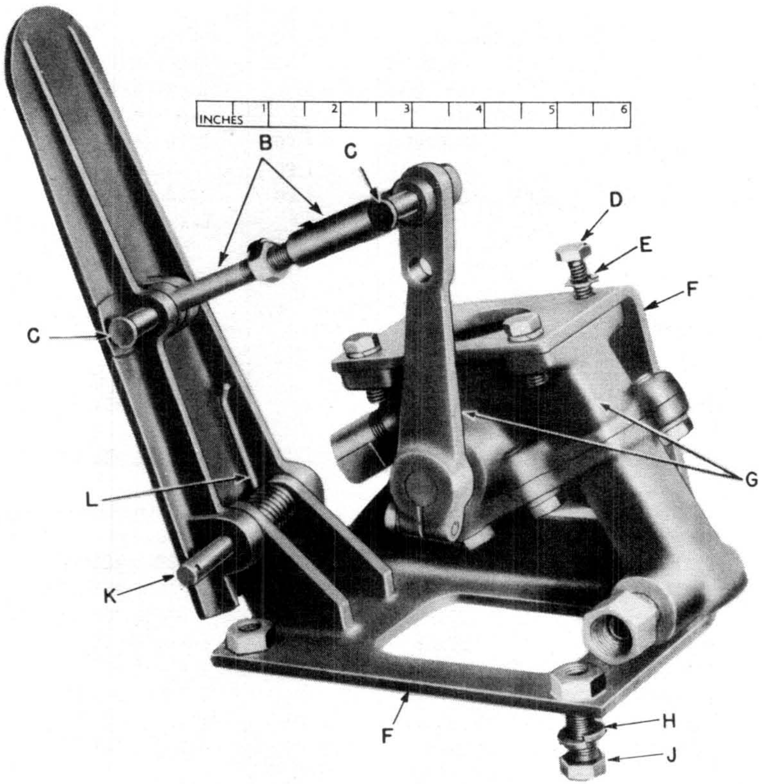
	0040-1538678		(AC-1538678)		1–SCREW, center cover		
			(AC-1538679)		10–SCREW, body and cover		
H-1	H001-1030064		112871 (AC-121839)		4–SCREW, fuel pump valve		
	G103-1789447		(AC-1521909)		1–SPACER, fuel pump rocker arm		
	G067-1501720		A214737 (AC-1523921)	A214747	1–SPRING, vacuum pump oil seal retainer, upper		
	G067-1501710		A214760 (AC-1523804)	A214760	1–SPRING, vacuum pump diaphragm		
	G147-0389807		A323138 (AC-1537096)	A323138	1–SPRING, fuel pump diaphragm		
	G067-1501690		(AC-151427)		1–SPRING, fuel pump rocker arm		
	G067-1500470		A214749 (AC-1538865)	A214749	8–VALVE, fuel pump w/CAGE, assembly		
	G067-1501930		A214738 (AC-1522002)	A214738	1–WASHER, vacuum pump oil seal		
	G067-1501920		A214743 (AC-1523043)	A214743	2–WASHER, rocker arm link spacer		
	G067-1502000		A214987 (AC-1521288)	A214987	1- WASHER, rocker arm pin		
	G163-0443028		(AC-1538456)		10–WASHER, lock, body and cover screw)		
	G121-0274220	03-4	(AC-1522280)		LEVER, priming, engine fuel pump	1	
		03-13	7059277		LINE, manifold to vacuum pump	1	
	G121-2076480	03-4	(AC-855574)		LINK, engine fuel pump	2	
	G121-0137956	03-4	(AC-855017)		CLIP, link, engine fuel pump pin	4	
	G121-0338646	03-4	(AC-855016)		PIN, link, engine fuel pump	2	
	G085-3004580	03-4	(AC-1521956)		PLATE, engine fuel pump valve	1	
H-1	H001-5146441	03-4	(AC-132696)		SCREW, engine fuel pump valve plate	1	
	G134-0345921	01-1 03-4	C118130 (AC-1538153)	C118130	PUMP, fuel, engine, assembly (used on M-8 below even and odd numbers 8694; odd numbers between 9490 to 10186 inclusive; all M-20 below 2505)	1	
H-1	H001-0718022	01-5	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2	2	
	G134-0392066	01-5	(HM-11833-A) (AC-1538153)		STUD, engine fuel pump to block (5/16)-18-NC2 (1/2) x 1 3/8 x 5/16-24NF-2 x (5/8) (used for PUMP, G134-0345921, C118130)	2	
H-1	H001-1518008	01-5	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	2	
	0040-1538638	03-13 01-2	7059286 (AC-1538638)		PUMP, fuel and vacuum engine, assembly (used on M-8 serial number 8694 to 9490 and all serial numbers above 10186; all M-20 above serial numbers 2505)	1	
H-1	H001-0718022	01-5	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2	2	
	4300-13524-A		(HM-13524-A) (AC-1538638)		STUD, engine fuel and vacuum pump to block (S., 5/16-18NC-2 (1/2) x 1 1/2 x 5/16-24NF-2 (3/4) (used on PUMP, fuel and vacuum, 0040-1538638, 7059286) (used on M-8 serial numbers 8694 to 9490 and all serial numbers above 10186; all M-20 above serial numbers 2505)	2	
H-1	H001-153008		103320		WASHER, plain, S., SAE, std., 5/16 (11/32 I.D. x 11/16 O.D. x 1/16 thk.)	2	
	G067-1501140	03-5	(AC-1523259)		RETAINER, diaphragm spring	1	
	0040-1538356	03-5	(AC-1538356)		RETAINER, fuel and vacuum pump valve cage	2	
	G067-1501160	03-5	(AC-1523664)		RETAINER, fuel and vacuum pump valve and cage	1	

GROUP 03—FUEL SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0302—ENGINE FUEL PUMP (Cont'd)		
	G067-1501180	03-5	A214735 (AC-1523150)	A214735	RETAINER, fuel and vacuum pump oil seal, upper	1	
	G067-1501170	03-5	A214736 (AC-1523191)	A214736	RETAINER, oil seal, lower	1	
	G067-1501190	03-5	A214759 (AC-1523803)	A214759	RETAINER, fuel and vacuum pump screen	1	
	G136-0381000	03-4	(AC-1537212)		SCREEN, engine fuel pump	1	
H-1	H001-1013213	03-5	215912 (AC-1538668)		SCREW, cap, hex-hd., fuel and vacuum pump cover to body	1	
H-1	H001-5148831	03-5	(AC-132900)		SCREW, retainer, fuel and vacuum pump valve and cage	1	
	G067-1501510	03-5	A214761 (AC-1523805)	A214761	SEAT, fuel and vacuum pump spring	1	
	G116-1789823	03-4	(AC-1523723)		SPRING, engine fuel pump diaphragm, lower	1	
	G136-0389814	03-4	(AC-1522169)		SPRING, engine fuel pump diaphragm, upper	1	
	G121-0389877	03-4	(AC-855253)		SPRING, engine fuel pump rocker arm	1	
			7059283		TEE, manifold to vacuum pump line	1	
	G104-1827121	03-4	(AC-1523106)		VALVE, engine fuel pump, w/CAGE, assembly	2	
					0304—ENGINE AIR CLEANER		
		03-3	(UTS-B-12272)		BAFFLE, engine carburetor air cleaner	1	
	G136-0137900		D67384 (UTS-T195-11980)	D67384	CLEANER, air, engine carburetor, assembly	1	
H-1	H001-0116220	03-3	223599		BOLT, hex-hd., s-fin., alloy-S., 3/8-24NF-2 x 1 1/4	4	
H-1	H001-0718023	03-3	218565		NUT, reg., hex-hd., s-fin., S., 3/8-24NF-2	4	
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	4	
	G136-0443044	03-3	A284169-D	A284169	WASHER, lock, engine carburetor air cleaner to hull (internal, external teeth 3/8)	8	
	G102-0302150	03-3	A215789	A215789	ELBOW, air cleaner to brake hydrovac line, 3/4-90°	1	
	G136-0217822	03-3	B248922	B248922	ELBOW, rubber, engine carburetor air cleaner	1	
	G136-0137816	03-3	A284394 (AMC-19)	A284394	CLAMP, engine carburetor air cleaner elbow (3 1/8 diam.)	2	
	G134-0137801	03-3	A283409	A283409	CLAMP, engine carburetor air cleaner elbow (2 3/4 diam.)	2	
		03-3	(UTS-B-12267)		ELEMENT, engine carburetor air cleaner	1	
		03-3	(UTS-A-12246)		EYEBOLT, engine carburetor air cleaner, assembly	1	
		03-3	A303967	A303967	HOSE, engine carburetor air cleaner	1	
		03-3	(UTS-C-12268)		OIL CUP, engine carburetor air cleaner	1	
		03-3	(UTS-B-12265)		PRECLEANER, engine carburetor air cleaner	1	
		03-3	(UTS-B-12266)		SHELL, engine carburetor air cleaner	1	

0306—ENGINE FUEL TANK

	G136-0110590		B248914	B248914	ARRESTER, flame, fuel tank hand hole plate	1
H-1	H001-1026534		225495		SCREW, special, mach., oval-fil-hd., S., ¼-28NF-2 x ⅝	32
	G163-0131400		C100635-B	C100635	CAP, filler, engine fuel tank, assembly (replaces but not interchangeable with CAP, G134-0131291, FM-CPW-9030-A) (used on M-8 above serial numbers 6856; all M-20 above 1817)	1
	G134-0131291	03-1	(FM-GPW-9030-A)		CAP, filler, engine fuel tank, assembly (replaced by CAP, G163-0131400, C100635-B) (used on M-8 below serial number 6856; and all M-20 below 1817)	1
	G136-0133853		E5515-C (D67433)	E5515	CELL, bullet sealing, engine fuel tank, w/backing PLATES, D67433-A,B,C,D and E, assembly	1
	G136-0170270		C118286-A	C118286	END, engine fuel tank, right	1
	G136-0170271		C118286-B	C118286	END, engine fuel tank, left	1
	G136-0184606		A284263	A284263	FLANGE, engine fuel tank gage	1
	G136-0184601		A284159	A284159	FLANGE, engine fuel tank outlet	1
	G134-0193797	03-1	A283426	A283426	GASKET, fuel level sending unit, engine fuel tank	1
	G136-0194034		A284161	A284161	GASKET, fuel level sending unit flange, engine fuel tank	1
	G136-0407825	01-1	B248737	B248737	LINE, engine fuel pump to carburetor (S., 5/16 x 33)	1
	G134-0408157		A284115	A284115	LINE, engine fuel filter to fuel pump flexible connection (S., 5/16 x 21)	1
	G134-0407740	01-1,2	A284081	A284081	LINE, fuel, flexible, engine fuel pump to fuel filter	1
H-6	H006-0230311		A284911 (WX-105-X-5)	A284911	NUT, ½-20NF-2 x 5/16 I.D. (engine fuel line tubing)	4
	G136-0314870		A283379 (WH-105-X-6)	A283379	NUT, connection, engine fuel tank shut-off to filter line (⅜ I.D.)	2
	G136-0340205		B248902-B	B248902	PLATE, engine fuel tank hand hole	1
H-1	H001-1026534		225495		SCREW, mach., oval-fil-hd., S., ¼-28NF-2 x ⅝ (engine fuel tank hand hole plate)	32
	G136-0367646		A283928	A283928	RETAINER, engine fuel tank cover nut	6
	G136-0384860		E5515-A	E5515	SHELL, engine fuel tank, w/o ENDS	1
H-1	H001-0725640		503338		NUT, safety, S. (elastic stop nut type), ¼-28NF-3 (engine fuel tank shell screw)	110
H-1	H001-1026533		190252		SCREW, mach., oval-fil-hd., S., ¼-28NF-2 x ½ (engine fuel tank shell)	110
	G136-0392225	03-1	C119439	C119439	STRAP, engine fuel tank support, assembly	2
H-1	H001-0718024	03-1	218570		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	4
	G136-0396335	03-1	E5515	E5515	TANK, fuel, bullet sealing engine, w/CELL, assembly	1
H-7	H007-0218080		44T-5080-20		TUBING, copper, 5/16 O.D. (engine fuel lines) (in 25 ft. rolls)	A.R.
H-7	H007-0218123		44T-5080-25		TUBING, copper, ⅜ O.D. (engine fuel line tank to filter) (in 10 ft. rolls)	A.R.
	G136-0419502		B248762 (SW-43908)	B248762	UNIT, sending, engine fuel tank fuel level (use with GAGE, G148-0194161, B199960-B) (used on M-8 below even serial numbers 7836; odd numbers 8113; and all M-20 below 2146)	1
	8240-439106	03-1	7058823		UNIT, sending, engine fuel tank fuel level (used with GAGES, G104-1593657 B209888 and M003-6209888, 6209888) (used on M-8 above even serial numbers 7836; odd serial numbers above 8113; and all M-20 above serial numbers 2146)	1
H-1	H001-1925360	03-1	424149		SCREW, No. 10-NF-2 x ⅝, w/lock WASHER, assembly	20
H-1	H101-0191245		424335		SCREW, mach., rd-fil-hd., S., No. 10-32NF-2 x ½, w/lock WASHER	5

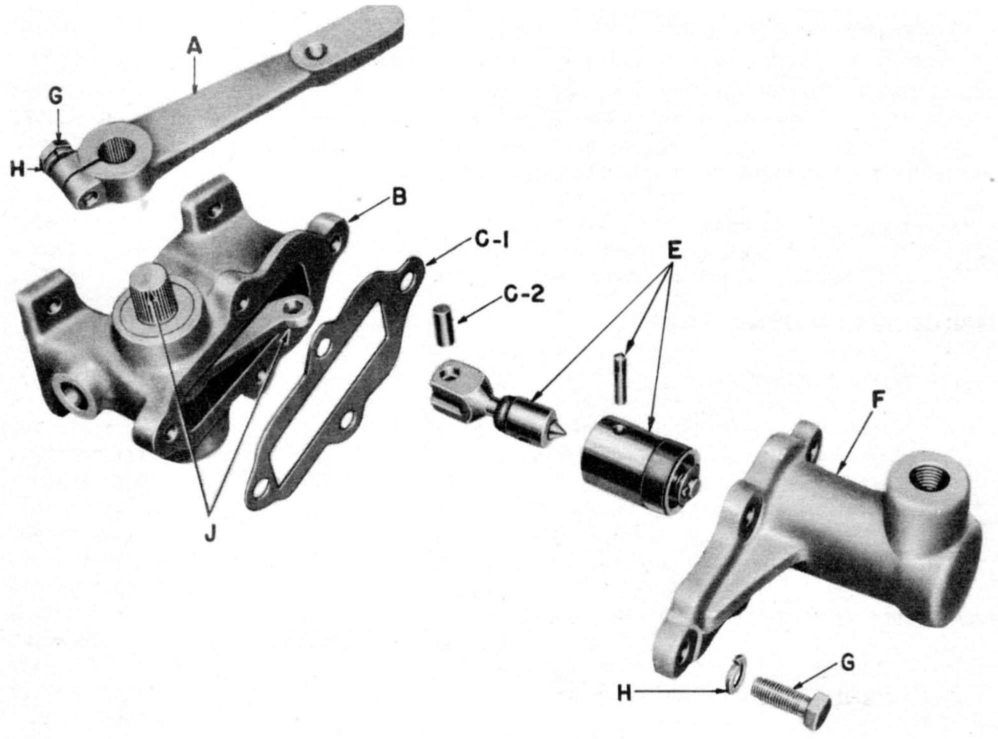


RA PD 28501

FIGURE 03-6—ACCELERATOR PEDAL AND MASTER CYLINDER HOOKUP

Key	*Item*	*Part No.*	*Group No.*
A	PEDAL	B248799	0312
B	ROD, assembly	A283171	0312
C	PIN	114784	0312
D	SCREW	216916	0312
E	WASHER	103319	0312
F	BRACKET	C118107	0312
G	CYLINDER, assembly	C117766	0312
H	WASHER	103321	0312
J	SCREW	215992	0312
K	PIN	505062	0312
L	SPRING	A283938	0312

RA PD 28501C



RA PD 28502

FIGURE 03-7—ACCELERATOR MASTER CYLINDER ASSEMBLY

Key	Item	Part No.	Group No.
A	LEVER	A303248	0312
B	HOUSING	A303875	0312
C1	GASKET (Part of Kit A304130)	BX-76252	0312
C2	PIN (Part of Kit A304130)	BX-76262	0312
E	PISTON and ROD	BX-76259	0312
F	CLYINDER	B264149	0312
G	SCREW	216916	0312
H	WASHER	108578	0312
J	SHAFT, w/CRANK	A303274	0312

RA PD 28502C

GROUP 03—FUEL SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0309—ENGINE FUEL FILTER		
	G136-0140054	03-11	A285021 (WH-234-X-5)	A285021	CONNECTOR, engine fuel filter to fuel pump line (1/4 pipe 5/16 tube)	1	
	G136-0140055	03-11	A285047	A285047	CONNECTOR, engine fuel filter to fuel tank (inverted male, br., 1/4 pipe and 5/8-18NF-2)	1	
	G136-0140066	03-11,12, 13	B248909 (DV-BU-3-1/4 x 1/4)	B248909	CONNECTOR, engine fuel filter to primer line (1/4 tube 1/4 pipe)	1	
	G085-3001540		(AC-1504212)		COVER, engine fuel filter	1	
	G085-3002320	03-11	(AC-853562)		GASKET, engine fuel filter cover screw	1	
	G104-1781765	03-11	(AC-853634)		SCREW, engine fuel filter cover	1	
	G085-3005980	03-12,13	C118043 (AC-1595835)	C118043	FILTER, fuel, engine, assembly	1	
H-1	H001-0116219		223598		BOLT, hex-hd., s-fin., alloy-S., 3/8-24NF-2 x 1	2	
H-1	H001-0718023	03-11	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	2	
		03-11	C119438E	C119438	PLATE, fuel filter	1	
H-1	H001-1518009	03-11	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	2	
	G133-0193816	03-11	(AC-853558)		GASKET, engine fuel filter cover	1	
	G085-3002300	03-11	(AC-853572)		GASKET, engine fuel filter strainer	1	
H-6	H006-0283195	03-11	(AC-127951)		PLUG, drain, engine fuel filter	1	
H-6	H006-0283958	03-11	219190 (AC-103878)		PLUG, pipe, sq-hd., glvd., 1/4 in. (engine fuel strainer)	1	
	G085-3005380	03-11	(AC-1504117)		SHELL, engine fuel strainer, assembly	1	
	G085-3005780	03-11	(AC-1504118)		SPRING, engine fuel filter cover	1	
	G085-3005980		(AC-1595823)		STRAINER, engine fuel filter, assembly	1	
H-7	H007-0218120		(44T-5080-25)		TUBING, copper, 3/8 O.D. (engine fuel line tank to filter) (in 10 ft. rolls)	A.R.	
					0311—ENGINE FUEL PRIMER		
		03-13	7059281		CLIP, engine primer line and vacuum line	1	
H-1	H001-0718021	03-15	218563		NUT, hex., S-fin., 1/4-28NF-2	1	
H-1	H001-1026534	03-15	225495		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 5/8, engine primer line and vacuum line	1	
H-1	H001-1520001	03-15	174877		WASHER, lock, internal teeth, hv., S. (1/4), primer line clip	1	
		03-14,15	A244731-E	A244731	CLIP, engine primer line	1	
H-1	H001-1026531	03-14,15	189133		SCREW, engine primer line clip	1	
H-1	H001-1519009	03-14	115547		WASHER, lock, internal teeth, reg., S. (1/4), primer line clip	1	
	G136-0137815	03-14,15	A284184	A284184	CLAMP, engine primer lines, front	1	
H-1	H001-1026532	03-14,15	225490		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 7/16	1	
H-1	H001-1519009	03-14,15	115547		WASHER, lock, internal teeth, reg., S. (1/4) primer line clamp	1	

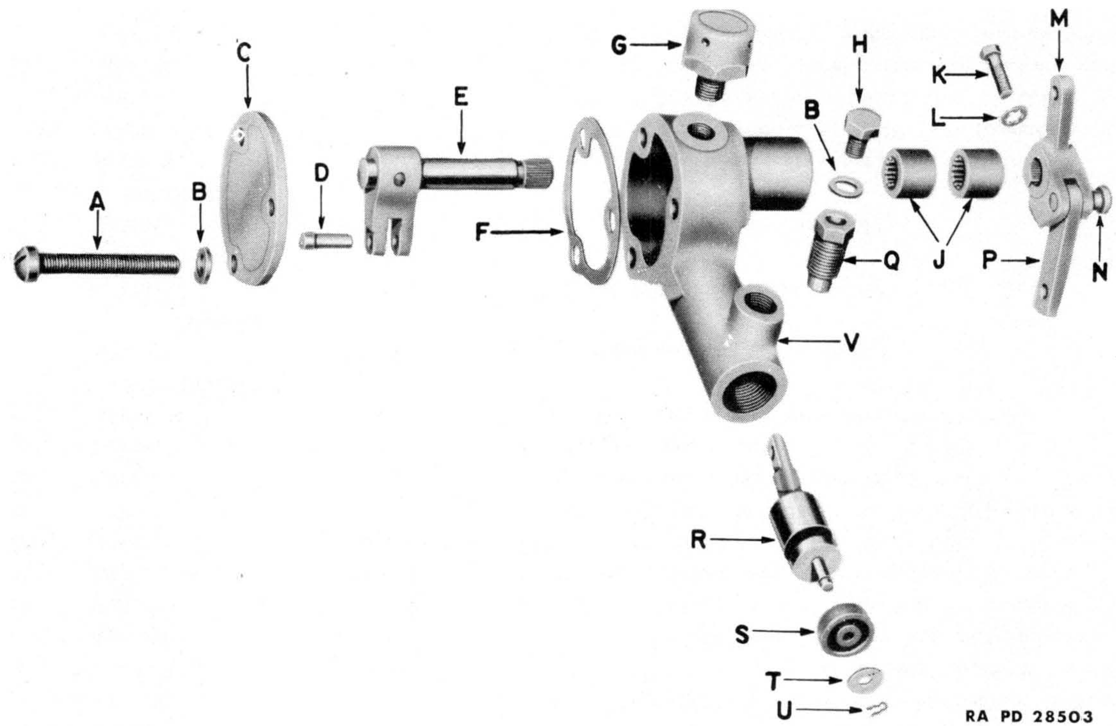


FIGURE 03-8—CARBURETOR THROTTLE SLAVE CYLINDER ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	225507	0312
B	WASHER	113114	0312
C	COVER	A303230	0312
D	PIN	A303233	0312
E	CRANK, w/SHAFT	A303270	0312
F	GASKET (Part of A303516)	BX-76155	0312
G	BREATHER	A303259	0312
H	SCREW	216251	0312
J	BEARING	A303255	0312
K	SCREW	110571	0312
L	WASHER	115545	0312
M	ARM	A303235	0312
N	PIN	A303605	0312
P	LINK	A303226	0312
Q	VALVE	A303249	0312
R	PISTON, w/LINK	A303273	0312
S	CUP (Part of A303516)	BX-76587	0312
T	RETAINER	A303229	0312
U	PIN (Part of Kit A303516)	BX-P-19374	0312
V	HOUSING	B264094	0312

RA PD 28503C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0311—ENGINE FUEL PRIMER (Cont'd)		
	G136-0140068	03-12	B248911 (DV-BU-13⅛ x ⅛)	B248911	CONNECTOR, engine fuel primer pump outlet line to manifold line (⅛ tube ⅛ pipe)	1	
	G136-0140057	03-12	A376943 (DV-BU-3¼ x ⅛)	A376943	CONNECTOR, engine fuel primer pump outlet to manifold line (¼ pipe ⅛ tube)	1	
	G170-0311277	03-12	A296725	A296725	ELBOW, intake manifold, engine fuel primer line, rear	1	
	G136-0407954	03-13	B248908	B248908	LINE, engine fuel primer inlet, rear (S., ¼ x 30)	1	
	G136-0137989	03-14,15	A284171	A284171	CLIP, engine fuel primer line (¼ in.)	3	
H-1	H001-1026532	03-14,15	225490		SCREW, mach., oval-fil-hd., S., ¼-28NF-2 x 7/16	3	
H-1	H001-1519009	03-14,15	115547		WASHER, lock, internal teeth, reg., S., ¼ in.	3	
H-7	H007-0218122		44T-5080-15		LINE, copper ¼ O.D. (engine fuel primer lines) (in 25 ft. rolls)	A.R.	
	G136-0407960	03-12	B248907	B248907	LINE, engine fuel primer manifold to hull, assembly (⅛ x 16)	1	
	G136-0407951	03-12	A284078	A284078	LINE, engine intake manifold primer line, front, assembly (⅛ x 8 13/16)	1	
	G136-0407950	03-12	A284077	A284077	LINE, engine intake manifold primer line, rear, assembly (⅛ x 8⅜)	1	
	G136-0407952	03-12	A284163	A284163	LINE, engine primer, inlet, center hull (¼ x 74)	1	
	G136-0407958	03-12	C118341	C118341	LINE, engine primer pump, inlet (S., ¼ x 78)	1	
H-1	H001-1026531	03-14	189133		SCREW, mach., oval-fil-hd., S., ¼-28NF-2 x ⅜	2	
	G136-0407956	03-12	C118287	C118287	LINE, engine primer pump outlet (S., ¼ x 60)	1	
	G136-0407955	03-12	B248912	B248912	LINE, engine primer outlet, rear (S., ¼ x 108)	1	
	G136-0137988	03-14	A284170 (FM-01T-2244-B)	A284170	CLIP, engine primer line to hull, rear (¼ in.)	2	
	G136-0314840		A284911 (WH-105-X-5)	A284911	NUT, engine fuel primer line (5/16 in.)	4	
	G136-0314853		A282885 (WH-105-X-4)	A282885	NUT, engine fuel primer line (¼ in.)	10	
	G104-1744040	03-12,13	B258063 (DV-PR-26)	B258063	PUMP, engine fuel primer, assembly	1	
	G136-0125904	03-12,13	B248873	B248873	BRACKET, engine fuel primer pump	1	
H-1	H001-1013265	03-12,13	215994		SCREW, cap, hex-hd., S., 7/16-20NF-2 x ¾ (engine fuel primer pump bracket)	2	
H-1	H001-1518010	03-12,13	103322		WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x ⅛ thk.)	2	
	G136-0398494	03-12	A296726	A296726	TEE, engine intake manifold fuel primer line, front and center	1	
	2680-BU-41-4	03-12	B248910 (DV-BU-41-4)	B248910	UNION, connector, engine fuel primer pump, inlet and outlet lines	3	

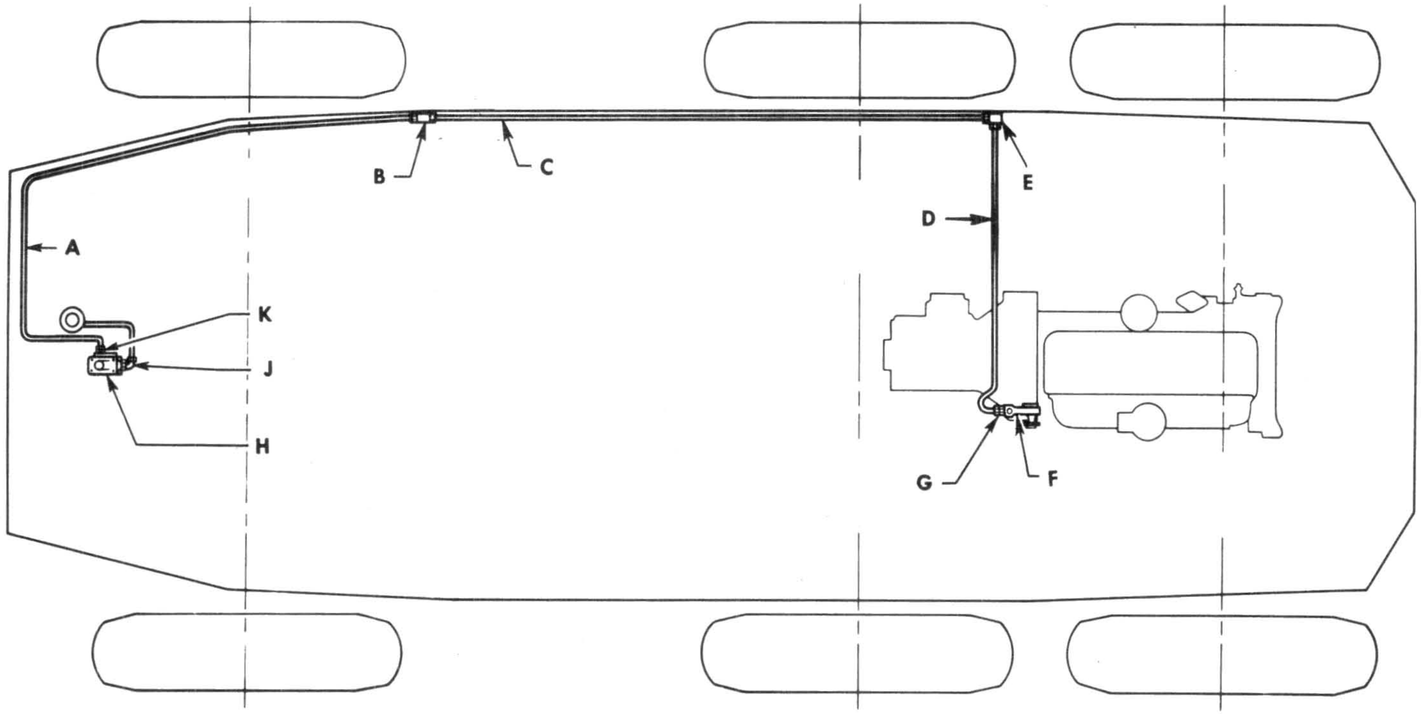
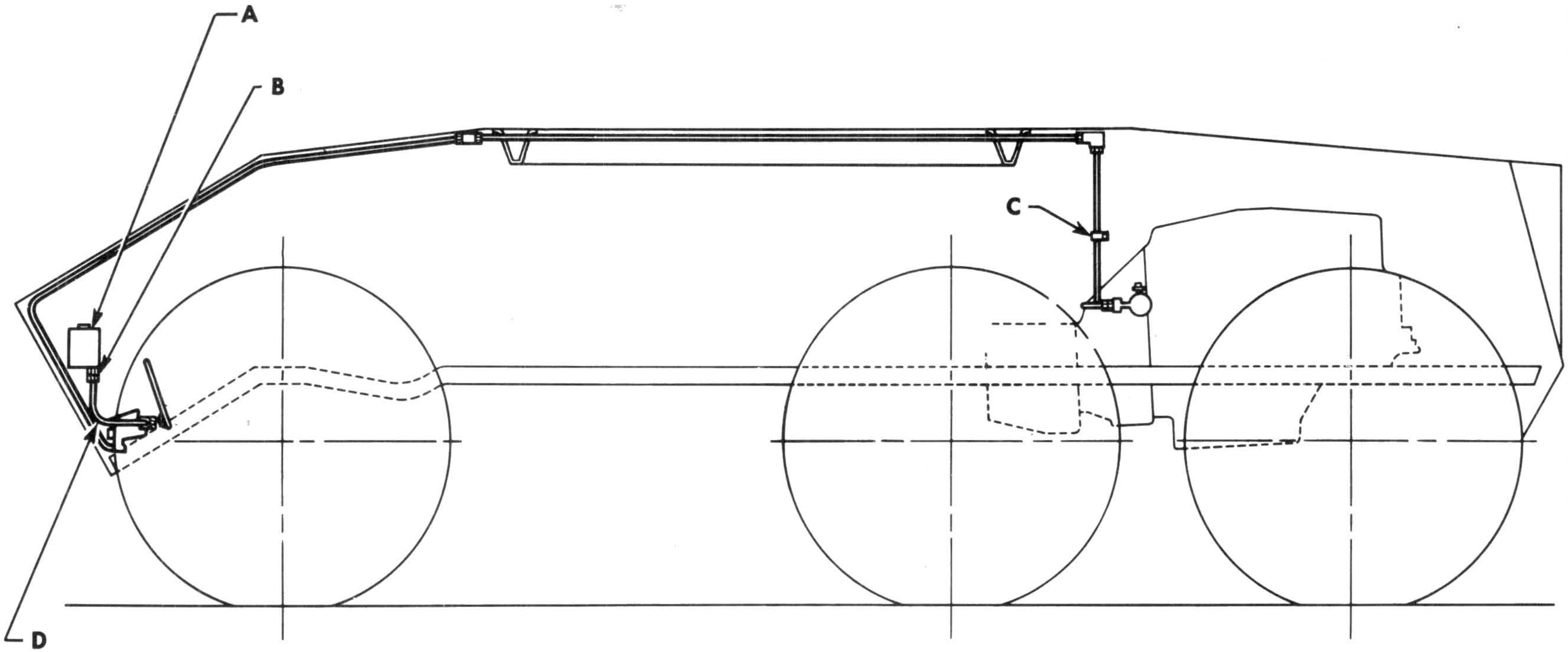


FIGURE 03-9—ACCELERATOR LINE HOOK-UP (PLAN VIEW)

Key	Item	Part No.	Group No.
A	LINE	C118129	0312
B	UNION	B246977	0312
C	LINE	A283821	0312
D	LINE	C118125	0312
E	ELBOW	A284138	0312
F	CYLINDER, slave throttle	B264209	0312
G	ADAPTER	A285014	0312
H	CYLINDER, w/lever	C117766	0312
J	ELBOW	A285017	0312
K	CONNECTOR	A285047	0312

RA PD 348224C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0312—ENGINE CARBURETOR HYDRAULIC THROTTLE CONTROL AND ENGINE CARBURETOR AUTOMATIC CHOKE		
	G134-0101810	03-9	A285014 (WH-272222)	A285014	ADAPTER, engine carburetor throttle control slave cylinder to throttle, rear line (S., 11/16-20NF-2 x 5/8-18 NPT)	1	
	G148-0110477	03-8	A303235 (BX76162)	A303235	ARM, pick up, engine carburetor throttle control slave cylinder	1	
H-1	H001-1024088	03-8	110571 (BX-61-S-41)		SCREW, cap, No. 10 (.190) -24 x 5/8	1	
H-1	H001-1519007	03-8	115545 (BX-901085)		WASHER, lock, internal teeth, reg., S., No. 10 (.190) x 3/16	1	
H-12	H012-0709461	03-8	A303255 (BX-76753)	A303255	BEARING, needle, engine carburetor throttle control slave cylinder	2	
	G136-0125920		A284197	A284197	BRACKET, engine automatic choke wire conduit to fuel pump	1	
	G136-0125955	03-6	C118107	C118107	BRACKET, engine carburetor throttle control master cylinder	1	
H-1	H001-1013245	03-6	215992		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1	4	
H-1	H001-1518009	03-6	103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	4	
	G136-0125912		B248711	B248711	BRACKET, engine carburetor throttle control slave cylinder	1	
H-1	H001-0116219		223598		BOLT, hex-hd., s-fin., alloy-S. (3/8-24NF-2 x 1)	2	
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	6	
	G134-0125930	03-8	A303259 (BX-76831)	A303259	BREATHER, engine carburetor throttle control slave cylinder	1	
	G148-340610		(BX-76390)		CAP, filler, engine carburetor throttle control hydraulic reservoir, assembly	1	
	G136-0135720	01-2	B248862 (HOL-64-R-38-A)	B248862	CHOKE, automatic, engine carburetor, assembly (12 volt)	1	
H-1	H001-4165520		A283825 (HM-33824-S)	A283825	NUT, hex., reg., 1/4-28NF-2	2	
	G136-0392336		A330188	A330188	STUD, attaching, engine carburetor automatic choke (S., 1/4-20NC-2 (1/4) x 3/4 x 1/4-28NF-2 (3/8))	2	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 (.265 I.D. x .453 O.D. x 1/16 thk.)	2	
	G134-0137879		A282913 (HOL-36R-12)	A282913	CLIP, clevis, rod end, engine choke, left	2	
	G134-0137880		A283138	A283138	CLIP, wiring, engine automatic choke	1	
			A279849-A	A279849	CLIP, engine carburetor automatic choke wire conduit to brackets	2	
	G136-0336171		A303705 (BX-P-19374)	A303705	CLIP, retainer, engine throttle slave cylinder piston cup	1	
	G136-0139647	03-1	B248888 (WH-6890)	B248888	COCK, shut-off, engine fuel tank (male 1/4 N.P. x female 5/8-18NF-2)	1	
	G136-0140055	03-9	A285047 (WH-200-X-6)	A285047	CONNECTOR, engine carburetor throttle control master cylinder to front line (inverted male, br., 1/4 pipe and 5/8-18NF-2 x 57/64)	1	



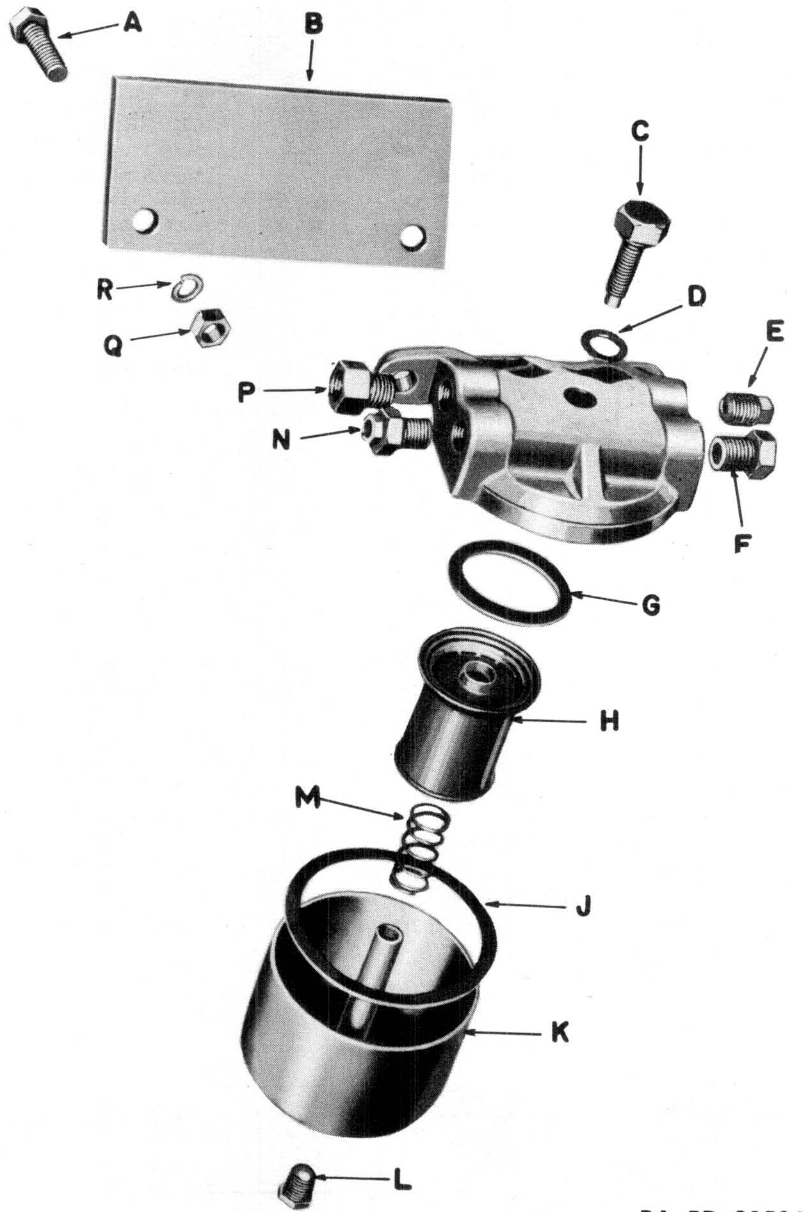
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FIGURE 03-10—ACCELERATOR LINE HOOK-UP (SIDE VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	RESERVOIR	B247635	0312
B	ELBOW	A285016	0312
C	CLIP	A276931-A	0312
D	LINE	C118124	0312

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0312—ENGINE CARBURETOR HYDRAULIC THROTTLE CONTROL AND ENGINE CARBURETOR AUTOMATIC CHOKE (Cont'd)		
	G136-0140125		C118106	C118106	CONTROL, engine throttle, assembly	1	
					(Consists of:		
	G136-0125955		C118107	C118107	1–BRACKET		
	0820-BX-77086		C127193	C127193	1–CYLINDER		
	G136-0336069		B248799	B248799	1–PEDAL		
H-1	H001-0822028		505062		1–PIN		
H-1	H001-0823003		114784		1–PIN		
	G134-0373310		A283171	A283171	1–ROD		
H-1	H001-1013003		216916		4–SCREW		
	G136-0389832		A283938	A283938	1–SPRING		
H-1	H001-1518007		103319		4–WASHER)		
	G148-0140098		A303243 (BX-76258)	A303243	COVER, engine accelerator master cylinder, shaft end	1	
	G134-0140021	03-8	A303230 (BX-76154)	A303230	COVER, housing, engine carburetor throttle control slave cylinder	1	
H-1	H001-1026541	03-8	225507 (BX-177-S-76)		SCREW, mach., oval-fil-hd., S., (¼-28 x 1¾)	3	
H-1	H001-1517007	03-8	113114 (BX-9010148)		WASHER, lock, lgt., S., ¼ (.265 I.D. x .453 O.D. x 3/64 thk.)	1	
	G148-0141510	03-8	A303270 (BX-76853)	A303270	CRANK, engine throttle slave cylinder, w/SHAFT, assembly	1	
	G134-0338454		A303234 (BX-76160)	A303234	PIN, locking, engine throttle slave cylinder crank	1	
	G148-0143554		A303888 (BX-77050)	A303888	CUP, piston, engine accelerator master cylinder (replaces CUP, BX-76040, G136-0143547)	1	
	G136-0143563	03-8	(BX-76587)		CUP, piston, engine throttle slave cylinder	1	
	0820-BX-77086		C127193 (BX-77086)	C127193	CYLINDER, hydraulic, engine carburetor throttle control, w/LEVER, assembly (replaced by CYLINDER, G134-0145610, C117766)	1	
	G134-0145610	03-6,9	C117766 (BX-76627)	C117766	CYLINDER, hydraulic, engine carburetor throttle control, w/LEVER, assembly (replaces CYLINDER, 0820-BX-77086, C127193)	1	
H-1	H001-1013003	03-6	216916 (BX-76842)		SCREW, cap, hex-hd., S., ¼-20NC-2 x ¾	4	
H-1	H001-1518007	03-6	103319		WASHER, lock, reg., S., ¼ (.265 I.D. x .453 O.D. x 1/16 thk.)	4	
	0820-77082	03-9	B264209 (BX-77082)	B264209	CYLINDER, slave, engine carburetor throttle control, assembly (replaces CYLINDER, G134-0145636, BX-77021)	1	
H-1	H001-0718021		218563		NUT, reg., hex., s-fin., S., ¼-28NF-2	3	
H-1	H001-1518007		103319 (BX-901006)		WASHER, lock, reg., S., ¼ (.265 I.D. x .453 O.D. x 1/16 thk.)	3	



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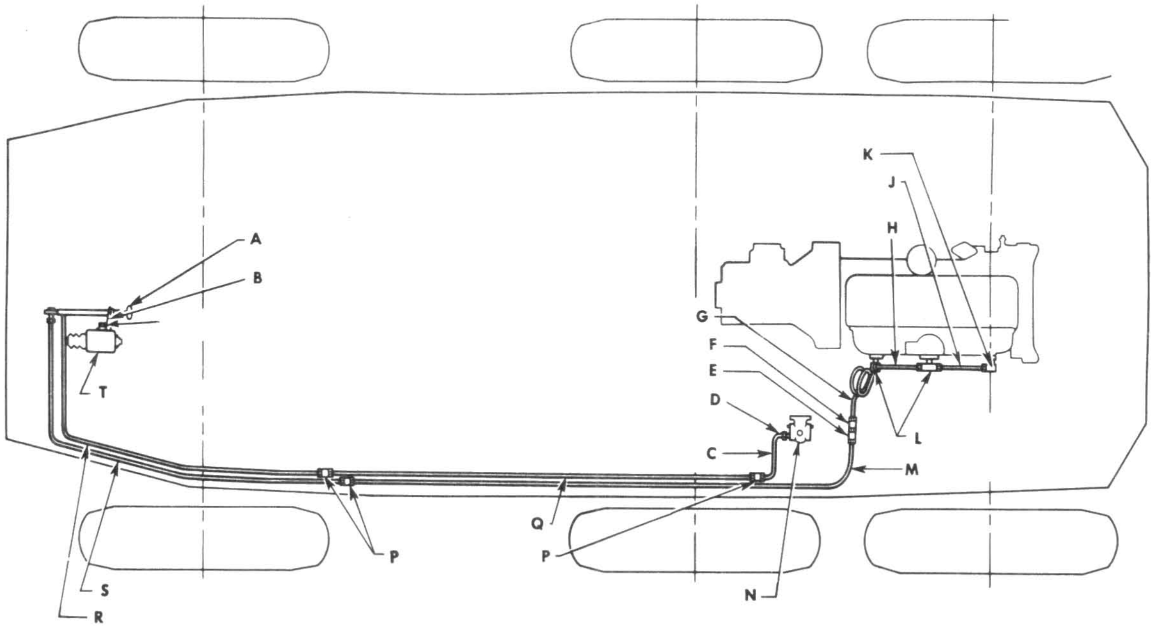
FIGURE 03-11—FUEL FILTER (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	BOLT	223598	0309
B	PLATE	C119438-E	0309
C	SCREW	AC-853634	0309
D	GASKET	AC-853562	0309
E	PLUG	219190	0309
F	CONNECTOR	A285021	0309
G	GASKET	AC-853572	0309
H	STRAINER	AC-1595823	0309
J	GASKET	AC-853558	0309
K	SHELL	AC-1504117	0309
L	PLUG	AC-127951	0309
M	SPRING	AC-1504118	0309
N	CONNECTOR	B248909	0309
P	CONNECTOR	A285047	0309
Q	NUT	218565	0309
R	WASHER, lock	103321	0309

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0312—ENGINE CARBURETOR HYDRAULIC THROTTLE CONTROL AND ENGINE CARBURETOR AUTOMATIC CHOKE (Cont'd)		
	G136-0145850	03-9	C127110 (BX-76578)	C127110	CYLINER, engine throttle master cylinder	1	
	G136-0169023	03-9	A284138 (WH-500X6)	A284138	ELBOW, engine throttle carburetor control center line to throttle rear line (female, ⅜ in. inverted)	1	
	G134-0169054	03-9	A285017 (WH-400X6)	A285017	ELBOW, engine carburetor throttle control master cylinder (br., ⅜-90 degree, ¼ pipe x ⅝-18NF-2 x 1¾)	1	
	G134-0169053	03-10	A285016 (WH-352X6)	A285016	ELBOW, engine carburetor throttle control hydraulic reservoir, bottom (45 degree, ¼ pipe thd. x ⅝-18 thd. No. 2)	1	
	G148-0194065		(BX-76252)		GASKET, cylinder, engine accelerator master cylinder	1	
	G136-0194028		A276999 (HOL-8R-206)	A276999	GASKET, mounting, engine carburetor automatic choke	1	
	G148-0194064	03-8	(BX-76155)		GASKET, cover, engine throttle slave cylinder	1	
	G134-0193849	03-9	A282897	A282897	GASKET, engine throttle slave cylinder, inlet (copper, .70 I.D. x 1.00 O.D. x .0329 thk.)	1	
	G136-0217861		(BX-76808)		HOUSING, engine throttle master cylinder (replaced by HOUSING, A303875, G136-5303875)	1	
	G136-5303875		A303875 (BX-77049)	A303875	HOUSING, engine carburetor throttle control (replaces HOUSING, BX-76808, G136-0217861)	1	
H-1	H001-1013003	03-7	216916 (BX-76842)		SCREW, cap, hex-hd., S., ¼-20NC-2 x ¾	4	
H-1	H001-1516007	03-7	108578 (BX-901027)		WASHER, lock, hvy., S., ¼ (.265 I.D. x .453 O.D. x 5/64)	4	
	G134-0217684	03-8	B264094 (BX-76164)	B264094	HOUSING, engine throttle slave cylinder	1	
	G148-0367548		A303515 (BX-76910)	A303515	KIT, repair, engine carburetor throttle control hydraulic master cylinder (replaced by KIT, repair, 0820-77093, A304180)	1	
					(Consists of:		
	G136-0143547		(BX-76040)		1–CUP		
	G148-0194065		(BX-76252)		1-GASKET		
	G148-0382809		(BX-76256)		1–SEAL, oil		
	G136-0336140		(BX-P-21338)		1–PIN		
	G122-0145592		(BX-76262)		1–PIN		
			(BX-76257)		1–RETAINER		
	G136-0443036		(BX-76915)		1–WASHER)		
	0820-77093	03-12	A304180 (BX-77093)	A304180	KIT, repair, engine carburetor throttle control master cylinder (replaces KIT, repair, G148-0367548, A303515)	1	

					(Consists of:	
			(BX-76050)		1–CUP, piston	
	G148-0194065		(BX-76252)		1–GASKET, cylinder	
			(BX-77091)		1–GASKET, cylinder	
			(BX-77047)		1–SEAL, oil, crankshaft	
	G148-0382809		(BX-76256)		1–SEAL, oil, crankshaft	
	G136-0336140		(BX-P-21338)		1–PIN, cotter	
H-1	H001-4570402		(BX-76255)		1–PIN, piston rod	
	G122-0145592		(BX-76262)		1–PIN, pison rod	
			(BX-76257)		1–RETAINER, oil seal	
	G136-0443036		(BX-76915)		1–WASHER)	
	G134-0261040	03-8	A303516 (BX-77037)	A303516	KIT, repair, engine carburetor throttle control slave cylinder	1
					(Consists of:	
	G136-0143563		(BX-76587)		1–CUP, piston	
	G148-0194064		(BX-76155)		1–GASKET, cover	
H-13	H013-0545204		(BX-76851)		1–SEAL, oil	
	G136-0336171		(BX-P-19374)		1–PIN, cotter	
	G136-0369909		(BX-76856)		1–PISTON, oil seal ring)	
	G136-0284286		A282910 (HOL-4R-182)	A282910	LEVER, engine carburetor automatic choke	1
	G136-0314868		A282862 (HOL-39R-171)	A282862	NUT, engine carburetor automatic choke lever clamp screw (S., sq., No. 10-24NC-2 x 1/8 thk.)	1
	G136-0382073		A282907 (HOL-5-R-223)	A282907	SCREW, engine carburetor automatic choke lever clamp (hex-hd., S., No. 10-24NC-2)	1
	G136-0274285	03-7	A303248 (BX-76386)	A303248	LEVER, engine carburetor throttle control	1
H-1	H001-1013003		216916 (BX-900007) (BS-76842)		SCREW, cap, hex-hd., S., 1/4-20NC-2 x 3/4	1
H-1	H001-1517007		113114 (BX-901048)		WASHER, lock, lgt., S., 1/4 (.265 I.D. x .453 O.D. x 3/64 thk.)	3
	G136-0408030	03-9	A283821	A283821	LINE, engine accelerator line elbow to union, center, assembly (S., 3/8 x 84 3/4)	1
	G136-0408040	03-9	C118129	C118129	LINE, engine accelerator master cylinder to union, front (S., 3/8 x 100)	1
	G136-0408038	03-10	C118124	C118124	LINE, engine accelerator reserve tank to master cylinder (S., 3/8 x 19)	1
	G136-0408039	03-9	C118125	C118125	LINE, engine hydraulic slave cylinder to elbow (S., 3/8 x 59)	1
	G136-0137987	03-10 12-8	A276931-A	A276931	CLIP, engine carburetor throttle control, rear hold down (3/8 in.)	1
H-1	H001-1026532	03-10	225490		SCREW, mach., oval-fil-hd., S., (1/4-28NF-2 x 7/16)	1
H-1	H001-1519009	03-10	115547		WASHER, lock, internal tooth, reg., S., 1/4	1
H-7	H007-0218123		44T-5080-25		LINE, copper, 3/8 O.D. (engine carburetor throttle control hydraulic lines) (in 10 ft. rolls)	A.R.



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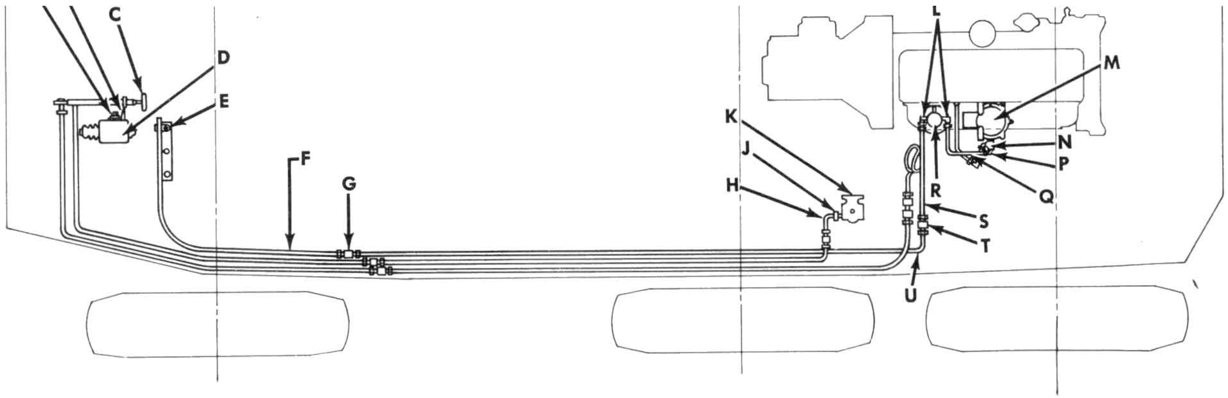
FIGURE 03-12—PRIMER INSTALLATION (OLD)

Key	*Item*	*Part No.*	*Group No.*
A	PRIMER PUMP	B258063	0311
B	BRACKET	A248873	0311
C	LINE	B248908	0311
D	CONNECTOR	B248909	0309
E	CONNECTOR	B276943	0311
F	CONNECTOR	B248911	0311
G	LINE	B243907	0311
H	LINE	A284078	0311
J	LINE	A284077	0311
K	ELBOW	A296725	0311
L	TEE	A296726	0311
M	LINE	B248912	0311
N	FILTER	C118043	0309
P	UNION	B248910	0311
Q	LINE	A284163	0311
R	LINE	C118287	0311
S	LINE	C118341	0311
T	CYLINDER, master, brake	C117670	1204.1

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0312—ENGINE CARBURETOR HYDRAULIC THROTTLE CONTROL AND ENGINE CARBURETOR AUTOMATIC CHOKE (Cont'd)		
	G134-0276400	03-8	A303226 (BX-76144)	A303226	LINK, pick-up, engine carburetor throttle control slave cylinder	1	
	G148-0338722	03-8	A303605 (BX-901087)	A303605	PIN, clevis, engine carburetor throttle control slave cylinder pick-up link	1	
H-1	H001-0811024		137130 (BX-901208)		PIN, cotter, split, S., 1/16 x 7/16 (engine carburetor throttle control slave cylinder)	1	
H-6	H006-0230211		283379 (WH-105-X-6)		NUT, 3/8 in. I.D. engine carburetor throttle control hydraulic lines	8	
	G148-0382809		(BX-76256)		SEAL, oil, crankshaft, engine accelerator master cylinder	1	
	G148-0382810		(BX-76851)		SEAL, oil, engine throttle slave cylinder	1	
	G136-0336069	03-6	B248799	B248799	PEDAL, engine carburetor throttle control	1	
H-1	H001-0822028	03-6	505062		PIN, headless, S., 5/16 diam. 2.05 clear (engine carburetor throttle control pedal to bracket)	1	
H-1	H001-0811037		103372		PIN, cotter, split, S., 3/32 x 1/2 (engine carburetor throttle control foot pedal to bracket pin)	2	
	G136-0336140		A303602 (BX-P-21338)	A303602	PIN, cotter, engine accelerator master cylinder	1	
	G122-0145592		(BX-76262)		PIN, engine accelerator master cylinder, piston rod	1	
	G148-0338720	03-8	A303233 (BX-76158)	A303233	PIN, engine carburetor throttle control slave cylinder connecting link	1	
	G148-0338980	03-7	(BX-76259)		PISTON, engine carburetor throttle control master cylinder, w/ROD, assembly	1	
	G148-0339002	03-8	A303273 (BX-76857)	A303273	PISTON, engine carburetor throttle control slave cylinder, w/LINK	1	
	G136-0340669		(BX-94-S-3)		PLUG, pipe, engine carburetor throttle control (1/4 N.P.T.)	1	
	G134-0366515	03-10	B247635 (BX-77033)	B247635	RESERVOIR, engine hydraulic system, assembly	1	
H-1	H001-1030672		191306		SCREW, mach., rd-hd., S., 1/4-28NF-2 x 7/16	2	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 (.265 I.D. x .453 O.D. x 1/16 thk.)	2	
	G148-0367651		A303889 (BX-77051)	A303889	RETAINER, engine accelerator master cylinder piston cup (replaces RETAINER, G148-0367648, BX-76080)	1	
	G148-0367649		(BX-76257)		RETAINER, engine accelerator master cylinder shaft oil seal	1	
	G134-0367343	03-8	A303229 (BX-76153)	A303229	RETAINER, engine throttle slave cylinder piston cup	1	
	G136-0369909		(BX-76856)		RING, engine throttle slave cylinder piston seal	1	
	G134-0373302		A282912 (HOL-43R-46)	A282912	ROD, engine automatic choke	2	

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0312—ENGINE CARBURETOR HYDRAULIC THROTTLE CONTROL AND ENGINE CARBURETOR AUTOMATIC CHOKE (Cont'd)		
	G134-0373310	03-6	A283171	A283171	ROD, engine carburetor throttle control pedal to master cylinder lever (includes CLEVIS, NUT and ROD)	1	
H-1	H001-0823003	03-6	114784		PIN, rod end, headless, S., $\frac{5}{16}$ diam.	2	
H-1	H001-0811037		103372		PIN, cotter, split, S., $\frac{3}{32}$ x $\frac{1}{2}$	1	
H-1	H001-1013211	03-8	216251 (BX-900023)		SCREW, cap, hex-hd., $\frac{1}{4}$-28NF-2 x $\frac{3}{8}$ (engine carburetor throttle control slave cylinder bleeder)	1	
	G148-0384676	03-7	A303274 (BX-76867)	A303274	SHAFT, engine accelerator master cylinder, w/CRANK, assembly	1	
H-1	H001-4570402		A303240 (BX-76255)	A393240	PIN, locking, engine accelerator master cylinder	1	
	G134-0369785		A303254 (BX-76592)	A303254	SNAP RING, engine carburetor throttle control slave cylinder piston	1	
	G148-0389822		A303216 (BX-76045)	A303216	SPRING, engine accelerator master cylinder piston cup	1	
	G136-0389832	03-6	A283938	A283938	SPRING, retracting, engine carburetor throttle control foot pedal	1	
	G134-0419389	03-9	B256977 (WH-27-300X6B)	B256977	UNION, engine carburetor throttle control center line to front throttle line ($\frac{3}{8}$ inverted, br., $\frac{5}{8}$-18NF-2 x $\frac{51}{64}$ lgh.)	1	
	G134-0381930	03-8	A303249 (BX-76389)	A303249	VALVE, bleeder, engine carburetor throttle control hydraulic slave cylinder	1	
	G136-6248999		B248999	B248999	VALVE, engine fuel tank shut-off, w/SCREEN, assembly (quick fix)	1	
	G136-0443036		(BX-76915)		WASHER, engine accelerator master cylinder	1	
	G148-0194050		(BX-76127)		WASHER, lock, engine carburetor throttle control hydraulic reservoir	1	
H-1	H001-1518007		103319 (BX-901006)		WASHER, lock, reg., S., $\frac{1}{4}$ (.265 I.D. x .453 O.D. x $\frac{1}{16}$ thk.) (engine throttle slave cylinder bleeder screw)	1	
	G134-0445000		A282911 (HOL-77-R-7)	A282911	WEIGHT, engine automatic choke rod	1	
	G136-0447897	01-1 06-11	B247448	B247448	WIRE, engine carburetor automatic choke, w/CONDUIT, assembly	1	
					(Consists of:		
			D67218BH		1–CABLE		
			A276849	A276849	2–CLIP		
	G134-0407779		B247014	B247014	1–TUBE)		

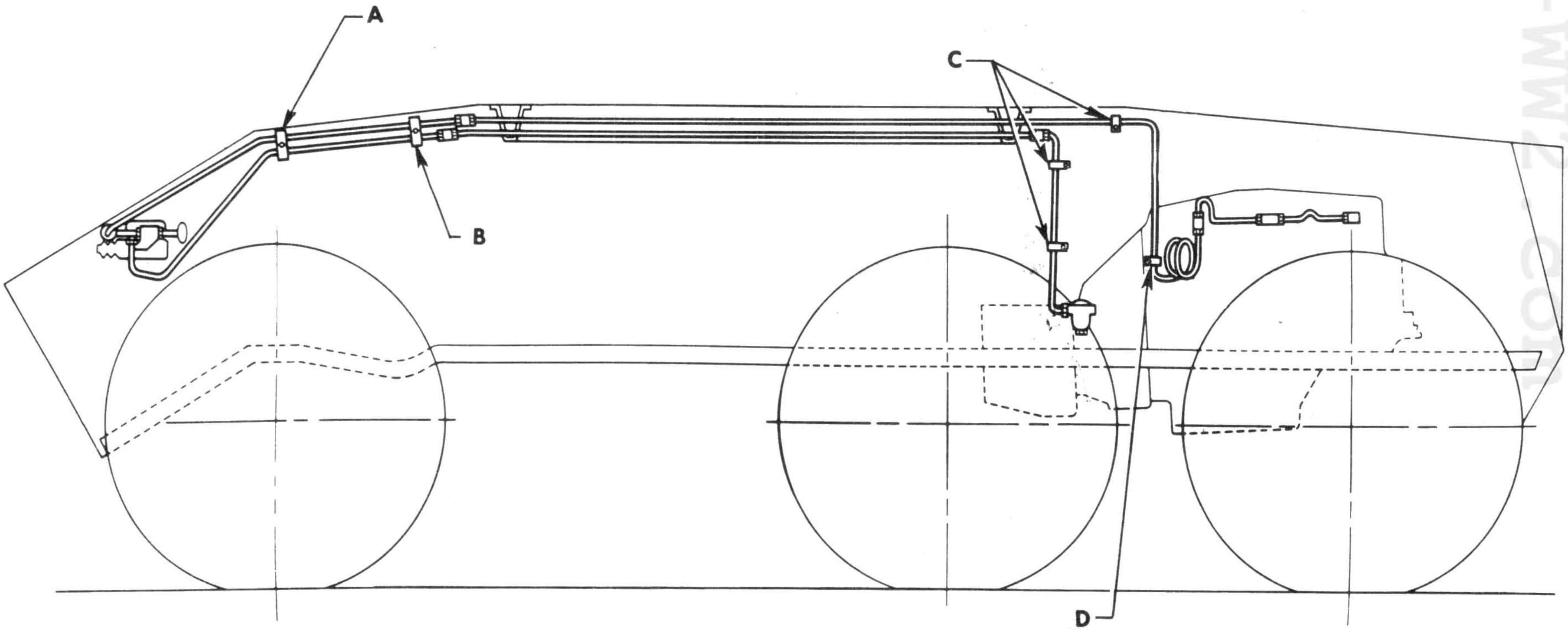


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FIGURE 03-13—PRIMER INSTALLATION (NEW) (PLAN VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	BOLT	215994	0311
B	BRACKET	B248873	0311
C	PUMP, primer	B258063	0311
D	CYLINDER, master, brake (Not part of assembly)	C117670	1204.1
E	CLAMP	B248835	2303
F	LINE	7059278	2303
G	UNION	A284995	2303
H	LINE	B248908	0311
J	CONNECTOR (Part of FILTER, assembly)	B248909	0309
K	FILTER	C118043	0309
L	ELBOW	7059282	2303
M	CARBURETOR	C118305	0301
N	TEE, fitting	7059283	0302
P	ELBOW	7059282	0302
Q	LINE	7059277	0302
R	FUEL and vacuum PUMP, assembly	7059286	0302
S	HOSE	7059284	2303
T	UNION	A284995	2303
U	LINE	7059279	2303

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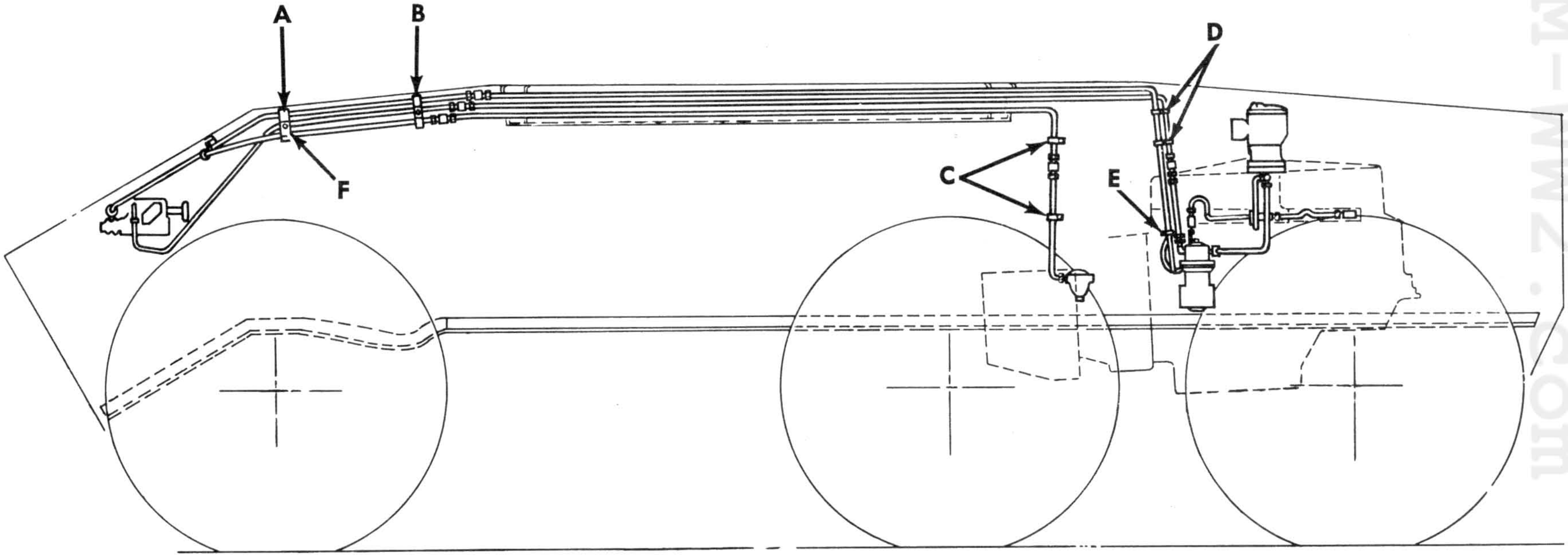


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FIGURE 03-14—PRIMER INSTALLATION (OLD) (SIDE VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	CLAMP..	A284184	0311
B	CLIP..	A244731-E	0311
C	CLIP..	A284171	0311
D	CLIP..	A284170	0311

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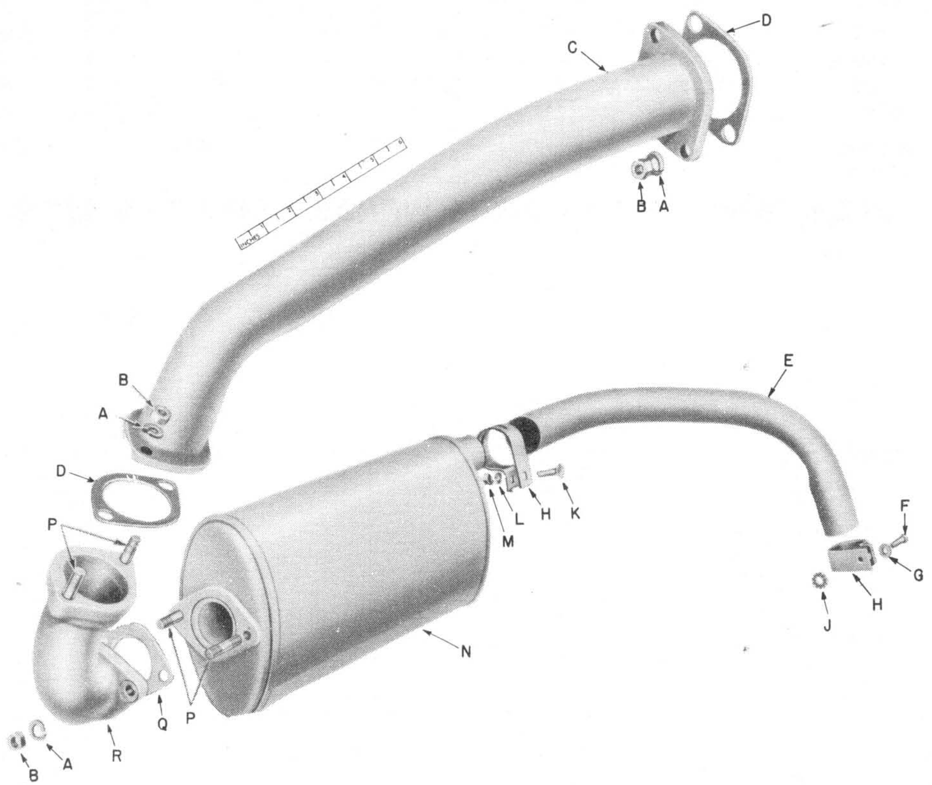


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FIGURE 03-15—PRIMER AND VACUUM PUMP INSTALLATION (NEW) (SIDE VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	CLAMP	A284184	0311
B	CLIP	A244731-E	0311
C	CLIP	A284171	0311
D	CLIP	7059281	0311
E	CLIP	A284170 (use cross number BOLT)	1204
F	CLIP	A284171	0311

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FIGURE 04-1—ENGINE EXHAUST PIPE AND MUFFLER (EXPLODED) (OLD STYLE)

Key	*Item*	*Part No.*	*Group No.*
A	WASHER	103328	0401
B	NUT	A283483	0401
C	PIPE	C118311	0401
D	GASKET	A283983	0401
E	PIPE	B67345	0401
F	SCREW	221680	0401
G	WASHER	103341	0401
H	CLAMP	A283985	0401
J	WASHER	A284169-D	0401
K	BOLT	109114	0401
L	WASHER	103321	0401
M	NUT	105606	0401
N	MUFFLER	D67390	0401
P	STUD	A276958	0401
Q	GASKET	A283995	0401
R	ELBOW	C118080	0401

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0401—ENGINE EXHAUST MUFFLER		
H-1	H001-0113042	04-1	109114		BOLT, carriage, sq-hd., S., 3/8-16NC-2 x 1 1/2 (engine exhaust muffler outlet clamp)	2	
	G136-0169026	04-1,2	C118080	C118080	ELBOW, engine muffler pipe, assembly (includes ELBOW and STUDS)	1	
	G136-0194029	04-1,2	A283983	A283983	GASKET, engine exhaust muffler inlet pipe to manifold and inlet pipe to elbow	2	
	G136-0194030	04-1,2	A283995	A283995	GASKET, engine exhaust muffler to elbow	1	
	G136-0314871	04-1	A283483	A283483	NUT, engine exhaust muffler inlet pipe to manifold (hex-hd., S., 7/16-20NF-3) (replaced by NUT, H101-0503114, A247965-D)	2	
	G136-0299115	04-1	D67390	D67390	MUFFLER, exhaust, engine, assembly (used on M-8 even numbers below 3908; odd numbers below 1361; and all M-20 below 857) (includes MUFFLER and STUDS)	1	
	G136-6567453	04-2	D67453	D67453	MUFFLER, exhaust, engine, assembly (used on M-8 even numbers above 3908; and odd numbers above 1361; and all M-20 above 859)	1	
H-1	H101-0503114	04-2	A247965D	A247965	NUT, hex., S., coated, special, 7/16-20NF-2 (engine exhaust muffler to elbow) (replaces NUT, G136-0314871, A283483)	2	
	G136-0392322	04-1,2	A276958	A276958	STUD, 7/16-14NC (3/16) x 1 13/16 x 7/16-20NF-(3/4) (engine exhaust muffler flange)	2	
H-1	H001-1516010	04-2	103328		WASHER, lock, hvy., S., 7/16 (.453 I.D. x .767 O.D. x 5/32 thk.) (engine exhaust muffler inlet pipe to manifold)	2	
	G136-0314871	04-1	A283483	A283483	NUT, engine exhaust pipe (hex-hd., S., 7/16-20NF-3) (replaced by NUT, H101-0503114, A247965-D)	4	
H-1	H001-0721003	04-1	105606		NUT, reg., sq., un-fin., S., 3/8-16NC-2 (engine exhaust muffler outlet clamp bolt)	1	
	G136-0338750	04-1,2	C118311	C118311	PIPE, engine exhaust muffler, inlet	1	
H-1	H101-0503114	04-2	A247965-D	A247965	NUT, hex., S., coated, special, 7/16-20NF-2 (engine exhaust muffler inlet pipe to manifold) (replaces NUT, G136-0314871, A283483)	4	
H-1	H001-1516010	04-2	103328		WASHER, lock, hvy., S., 7/16 (.453 I.D. x .767 O.D. x 5/32 thk.)	4	
	G136-0338751	04-1	D67345	D67345	PIPE, engine exhaust muffler, outlet (used on M-8 even numbers below 3908; odd numbers below 1361; and all M-20 below 859) (replaced by PIPE, G136-6567466, D67466)	1	
	G136-6567466	04-2	D67466	D67466	PIPE, engine exhaust muffler, outlet (used on M-8 even numbers above 3908; odd numbers above 1361; and M-20 above 859) (replaces PIPE, G136-0338751, D67345)	1	
	G136-0137804	04-1,2	A283985	A283985	CLAMP, engine exhaust muffler outlet pipe	2	
H-1	H101-0503114	04-2	A247965-D	A247965	NUT, hex., S., coated, special, 7/16-20NF-2 (engine exhaust muffler inlet pipe to manifold) (replaces NUT, G136-0314871, A283483)	2	
H-1	H001-1013269	04-2	216817		SCREW, cap, hex-hd., S., 7/16-20NF-2 x 1 1/2 (engine exhaust muffler flange to outlet pipe)	2	
H-1	H001-1031053	04-1,2	221680		SCREW, cap, hex-hd., S., dld. f/lkg. wire, 3/8-24NF-2 x 1 1/4 (engine exhaust muffler outlet, pipe to hull)	2	

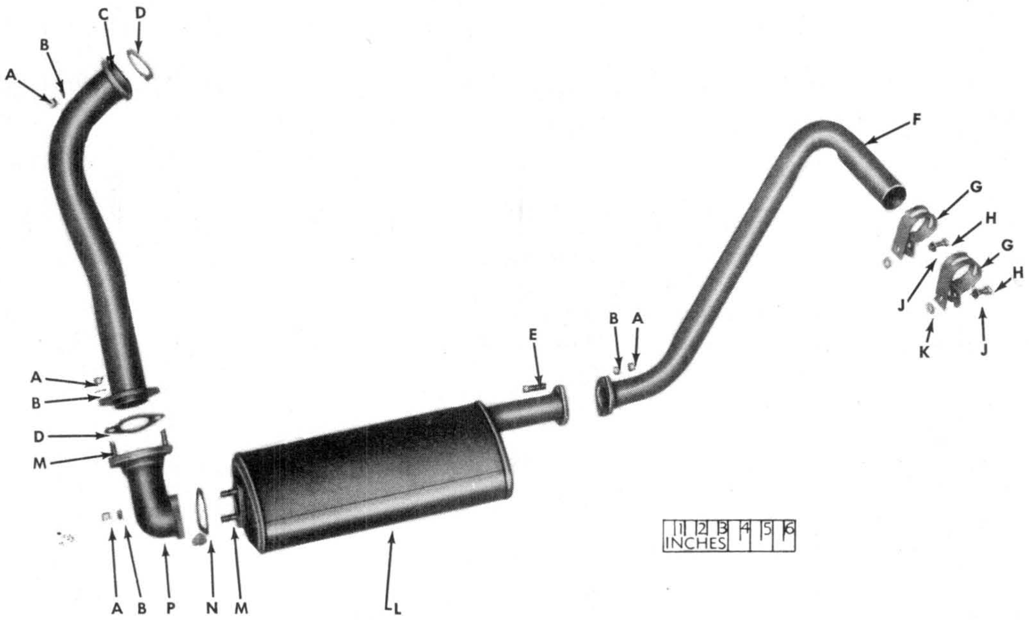


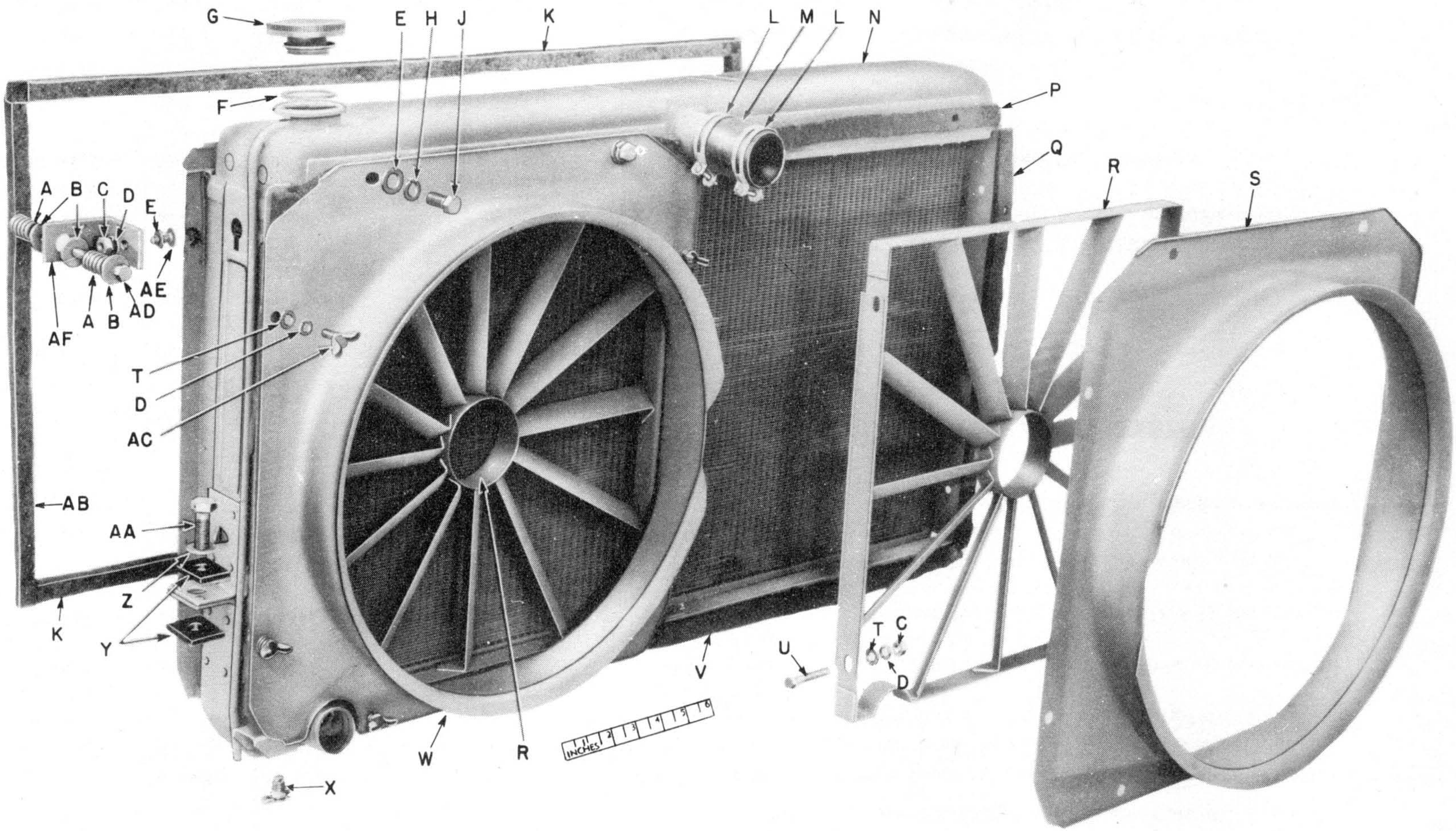
FIGURE 04-2—ENGINE EXHAUST MUFFLER ASSEMBLY (EXPLODED) (NEW STYLE)

Key	*Item*	*Part No.*	*Group No.*
A	NUT	A247965-D	0401
B	WASHER, lock	103328	0401
C	PIPE, inlet	C118311	0401
D	GASKET	A283983	0401
E	BOLT	216817	0401
F	PIPE, outlet	D67466	0401
G	CLAMP	A283985	0401
H	SCREW	221680	0401
J	WASHER	103341	0401
K	WASHER	A284169-D	0401
L	MUFFLER	D67453	0401
M	STUD	A276958	0401
N	GASKET	A283995	0401
P	ELBOW	C118080	0401

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GROUP 04—EXHAUST SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0401—ENGINE EXHAUST MUFFLER (Cont'd)		
	G136-0392322	04-1,2	A276958	A276958	STUD, engine exhaust elbow flange (7/16-14NC (3/16) x 1 13/16 x 7/16-20NF-(3/4))...	2	
	G136-0392322	04-1,2	A276958	A276958	STUD, engine exhaust muffler flange (7/16-14NC-(3/16) x 1 13/16 x 7/16-20NF-(3/4))...	2	
	G120-0392265		(HM-4185-A)		STUD, engine exhaust muffler inlet pipe to manifold (S., 7/16-14NC-2 9/16 x 1 5/8 x 7/16-20NF-2 (9/16))........	2	
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.) (engine exhaust muffler outlet clamp screw)........	1	
H-1	H001-1530009	04-1,2	103341		WASHER, plain, S., SAE std., 3/8 (13/32 I.D. x 13/16 O.D. x 1/16 thk.) (engine exhaust muffler outlet clamp to hull screw)........	2	
		04-1,2	A284169-D	A284169	WASHER, engine exhaust muffler outlet clamp (lock tooth type, 3/8)......	1	
H-1	H001-1516010	04-1,2	103328		WASHER, lock, hvy., S., 7/16 (.453 I.D. x .767 O.D. x 5/32 thk.)........	2	
	22W-16-42100				WIRE, locking, No. 19 gage x 4 1/2 (engine exhaust muffler outlet clamp to hull screw) (in pounds)........	A.R.	
					GROUP 05—COOLING SYSTEM		
					0501—RADIATOR		
H-1	H001-0118022	05-1	224336		BOLT, hex-hd., s-fin., alloy-S., dld. f/lkg. wire, 5/16-24NF-2 x 3 (radiator bracket to hull, upper)........	2	
	G134-0131260	05-1	B248871 (AC-RC-8213)	B248871	CAP, filler, radiator neck (9-pound)........	1	
	G170-0194018	05-1	A248397	A248397	GASKET, fibre, radiator filler cap neck (1 5/8 I.D. x 2 1/8 O.D. x .062 thk.).....	1	
H-1	H001-0718022	05-1	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2 (radiator to upper mounting bracket)....	6	
	G136-0364869	05-1	E5525	E5525	RADIATOR, assembly........	1	
	G104-5284355	05-1	A284355 (FM-355471-S)	A284355	BOLT, carriage, radiator mounting, upper (S., 5/16-24NF-2 x 3/4)........	2	
	G136-0333669	05-1	A283937	A283937	PAD, radiator mounting support........	4	
	G136-0389833	05-1	A283966	A283966	SPRING, radiator, mounting, upper........	4	
H-1	H001-1530008	05-1	103340		WASHER, plain, S., SAE std., 5/16 (11/32 I.D. x 11/16 O.D. x 1/16 thk.)........	2	
	G136-0443076	05-1	A283887	A283887	WASHER, mounting, radiator (1 O.D. x .318 I.D.)........	6	
H-1	H001-1518011		103323		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.) (lower radiator mount)........	2	
H-1	H001-1518008	05-1	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.) (upper radiator to bracket)........	2	



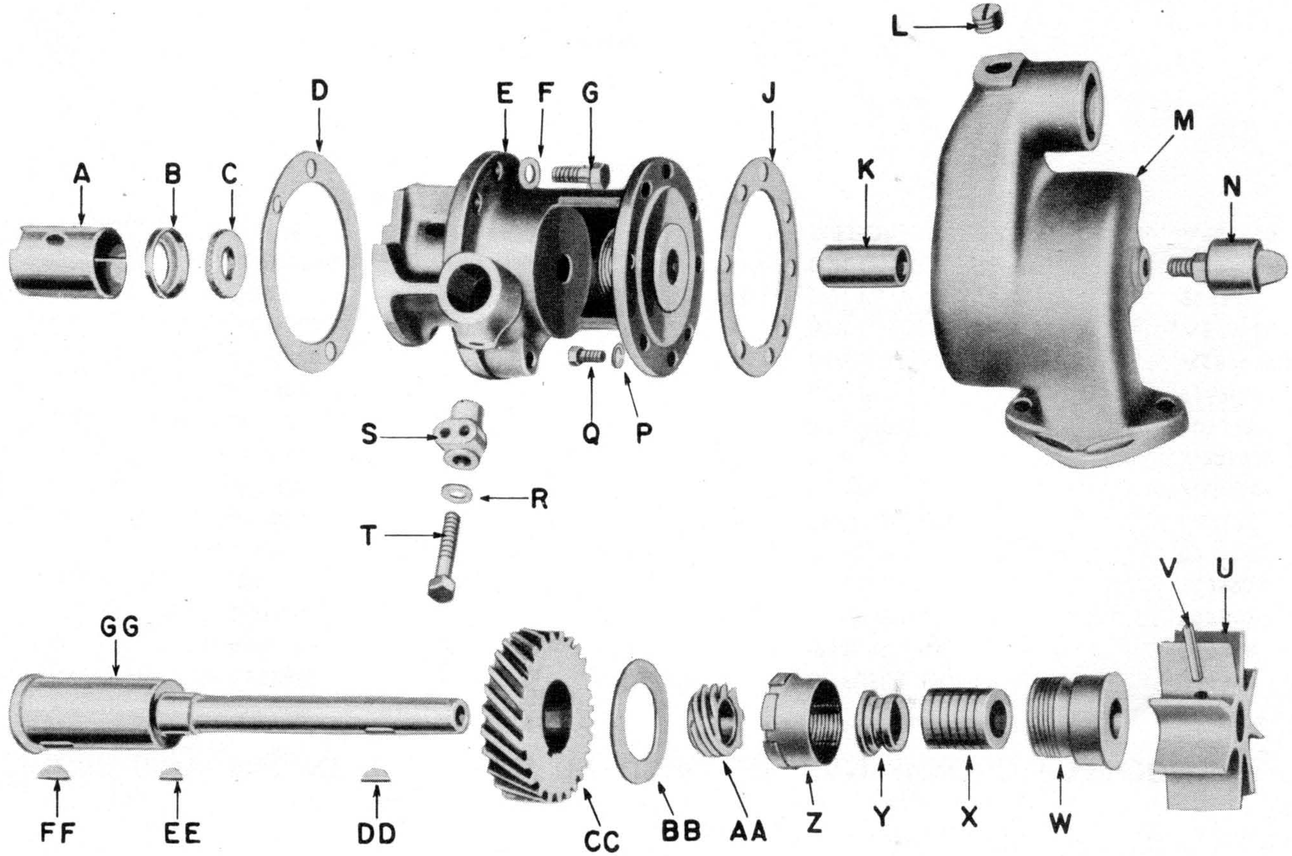
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FIGURE 05-1—ENGINE RADIATOR, DIFFUSER AND FAN SHROUD (EXPLODED)

FIGURE 05-1—ENGINE RADIATOR, DIFFUSER AND FAN SHROUD (EXPLODED)

Key	Item	Part No.	Group No.
A	SPRING	A283966	0501
B	WASHER	A283887	0501
C	NUT	218564	0501
D	WASHER	103320	0501
E	WASHER	103340	0501
F	GASKET	A248397	0501
G	CAP	B248871	0501
H	WASHER	103322	0502
J	SCREW	213761	0502
K	SEAL, felt	A283977-A	0502
L	CLAMP	A283430	0503
M	HOSE	A283403	0503
N	RADIATOR, assembly	E5525	0501
P	SEAL, felt	B248742-A	0502
Q	SEAL, felt	B248741	0502
R	DIFFUSER, assembly	D67385	0502
S	SHROUD, left	D67418	0502
T	WASHER	103340	0502
U	BOLT	223590	0502
V	SEAL, felt	B248740	0502
W	SHROUD, right	D67377	0502
X	COCK	A284866	0503
Y	PAD	A283937	0501
Z	WASHER	103343	0502
AA	BOLT	224383	0502
AB	SEAL, felt	A283977-B	0502
AC	BOLT	A276760	0502
AD	BOLT	224336	0501
AE	BOLT	A284355	0501
AF	SUPPORT	A283890	0501

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RA PD 28511

FIGURE 05-2—WATER PUMP ASSEMBLY (EXPLODED)

FIGURE 05-2—WATER PUMP ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	BUSHING	B158444	0504
B	RETAINER	A171677	0504
C	WASHER	A171662	0504
D	GASKET	A171670	0504
E	COVER	C68990	0504
F	WASHER	103321	0504
G	SCREW	213729	0504
J	GASKET	A171671	0504
K	BUSHING	A171686	0504
L	PLUG	HM-61-A	0504
M	BODY	C72501	0504
N	CUP	507608	0504
P	WASHER	103322	0504
Q	SCREW	216920	0504
R	WASHER	103321	0604.1
S	BRACKET	A163224	0604.1
T	SCREW	217022	0604.1
U	IMPELLER	A171685	0504
V	PIN	A171665	0504
W	BUSHING	A171674	0504
X	PACKING	A171672	0504
Y	GLAND	HM-21265-A	0504
Z	NUT	A144773	0504
AA	GEAR	A171676	0504
BB	WASHER	A171661	0504
CC	GEAR	B158445	0504
DD	KEY	124545	0504
EE	KEY	124542	0504
FF	KEY	218211	0504
GG	SHAFT	B158477	0504

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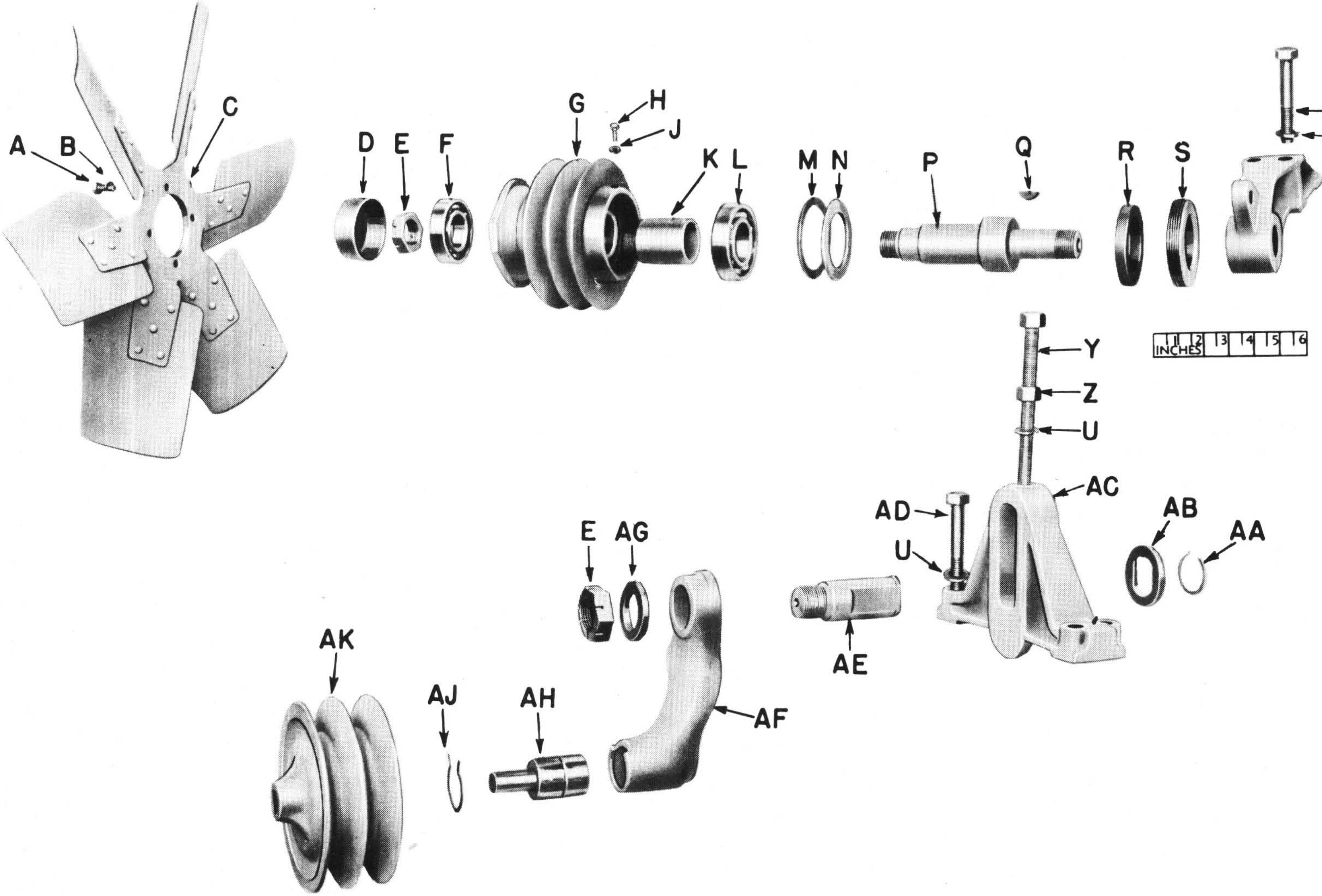
GROUP 05—COOLING SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0502—RADIATOR MOUNTINGS		
	G136-0151715	05-1	D67385	D67385	DIFFUSER, radiator, assembly	2	
					(Consists of:		
			D67339	D67339	1–DIFFUSER, assembly		
			D67387	D67387	1–FRAME, assembly)		
H-1	H001-0116196	05-1	223590		BOLT, hex-hd., s-fin., alloy-S., 5/16-24NF-2 x 2	2	
H-1	H001-0116190		223584		BOLT, hex-hd., s-fin., alloy-S., 5/16-24NF-2 x 3/4	4	
H-1	H001-0118053	05-1	224383		BOLT, hex-hd., s-fin., alloy-S., dld. f/lkg. wire, 1/2-20NF-2 x 1 1/2	2	
H-1	H001-0718022	05-1	218564		NUT, hex., s-fin., S., 5/16-24NF-2	8	
H-1	H001-1530008	05-1	103340		WASHER, plain, S., SAE std., 5/16 (11/32 I.D. x 11/16 O.D. x 1/16 thk.)	6	
H-1	H001-1530011	05-1	103343		WASHER, plain, S., SAE std., 1/2 in. (17/32 I.D. x 1 1/16 O.D. x 3/32 thick)	2	
H-1	H001-1518008	05-1	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	6	
	G136-0180656		B248742-B	B248742	SEAL, felt, radiator to fan shroud, center (3/16 x 1 x 19 3/8)	1	
	G136-0180653	05-1	B248740	B248740	SEAL, felt, radiator to fan shroud, lower (3/16 x 1 x 35 5/8)	1	
	G136-0180655	05-1	B248742-A	B248742	SEAL, felt, radiator to fan shroud, top (3/16 x 1 x 18 1/2)	2	
	G136-0180658	05-1	A283977-B	A283977	SEAL, felt, radiator to hull, rear and sides (1/2 x 3/4 x 20 1/2)	2	
	G136-0180657	05-1	A283977-A	A283977	SEAL, felt, radiator to hull, rear, top and bottom (1/2 x 3/4 x 39)	2	
	G136-0180654	05-1	B248741	B248741	SEAL, felt, radiator side to fan shroud (3/16 x 1 x 20)	2	
	G136-0385160	05-1	D67377	D67377	SHROUD, radiator, right	1	
		05-1	D67418	D67418	SHROUD, radiator, left	1	
	G134-0124191	05-1	A276760	A276760	BOLT, wing, fan shroud to radiator (5/16-18NC-2 x 3/4)	10	
H-1	H001-1013053	05-1	213761		SCREW, cap, hex-hd., S., 7/16-14NC-2 x 1	4	
H-1	H001-1518008	05-1	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	10	
H-1	H001-1518010	05-1	103322		WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.)	4	
H-1	H001-1530010		103342		WASHER, lock, reg., S., 7/16 (15/32 I.D. x 15/16 O.D. x 1/16 thk.)	4	
					0503—RADIATOR FITTINGS		
H-6	H006-0100825		(HM-8A)		COCK, drain, 1/8 NPT engine cylinder block (DV-DS-25)	1	
	G134-0138646	05-1	A284866	A284866	COCK, drain, radiator, assembly (1/4 NPT)	1	
	G134-0193823		A385239 (HM-7218A)	A385239	GASKET, engine water pump inlet pipe (1/32 Vellumoid)	1	
	G134-0193825		(HM-14224A)		GASKET, engine water pump outlet pipe	1	
	G120-0193951		(HM-11707-A)		GASKET, engine water temperature control thermostat housing	1	
	4300-43704-A		(HM-43704-A)		GASKET, attaching, engine water temperature control thermostat housing (use on M-8 above even numbers 8934 and all M-20 above 2300)	1	
	G134-0193837		(HM-42752-A)		GASKET, mounting, engine water temperature control thermostat housing (1/32 Vellumoid) (used on M-8 below numbers 8934 and M-20 below numbers 2300)	1	

	G134-0217450	05-1	A283403	A283403	**HOSE**, engine, radiator inlet and outlet (1¾ I.D. x 3 in. long)	4
	G134-0137822	05-1	A233430	A283430	**CLAMP**, radiator hose (2⅛ I.D. x ⅝ width) (includes SCREW and NUT)	8
	G134-0217481		(HM-14515-A)		**HOSE**, rubber, engine water pump by-pass tube (1.00 I.D. x 1⅜ O.D. x 2¼ long) (replaced by HOSE, 4300-166-A, HM-166-A) (used on M-8 below numbers 8934 and M-20 below numbers 2300)	2
	G134-0137702		(HM-14443-A)		**CLAMP**, hose, engine water pump by-pass tube hose (1⅜ I.D.) (used on M-8 below numbers 8934 and M-20 below numbers 2300)	4
	4300-166-A		(HM-166-A)		**HOSE**, rubber, engine water pump by-pass tube (1⅝ I.D.) (replaces, HOSE, G134-0217481, HM-14515-A) (used on M-8 above numbers 8934 and M-20 above numbers 2300)	2
H-6	H106-105480		(HM-4109-A)		**CLAMP**, engine wire type, water pump by-pass hose (2 I.D.) (supersedes HM-14443-A) (used on M-8 above numbers 8934)	4
H-7	H007-0100441		A171682 (HM-40064-A)	A171682	**HOSE**, engine water pump outlet (1¾ I.D. x 2$\frac{3}{16}$ O.D. x 4⅜ long)	1
H-6	H006-0100320		500687 (HM-8159-A)		**CLAMP**, hose, adjustable 1-3 in. cap (engine water pump outlet hose)	2
	G134-0217683	01-1	(HM-42766-C)		**HOUSING**, engine water temperature control, thermostat (replaced by HOUSING, HM-43702-C)	1
		01-2	(HM-43702-C)		**HOUSING**, engine water temperature thermostat control (replaces HOUSING, G134-0217683, HM-42766-C)	1
H-1	H001-1013041		216940 (HM-4225-A)		**SCREW**, hex-hd., S., ⅜-16NC-3¼ (used on M-8 below numbers 8934)	
H-1	H001-1013032		213729 (HM-1864-A)		**SCREW**, cap, hex-hd., S., ⅜-16NC-2 x 1	4
H-1	H001-1518009		103321 (HM-342-A)		**WASHER**, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	4
	G136-0338745	01-4	(HM-42748-B)		**PIPE**, engine water pump, inlet (replaced by PIPE, 4300-43701-B, HM-43701-B) (used on M-8 below number 8934)	1
	4300-43701-B		(HM-43701-B)		**PIPE**, engine water pump inlet (replaces PIPE, G136-0338745, HM-42748-B) (used on M-8 above number 8934)	1
H-1	H001-1013032		213729		**SCREW**, cap, hex-hd., S., ⅜-16NC-2 x 1	2
H-1	H001-1518009		103321		**WASHER**, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	2
	G136-0338745	01-1	(HM-42749-B)		**PIPE**, engine water pump outlet (replaced by PIPE, 4300-43700-B, HM-43700-B) (used on vehicles M-8 below numbers 8934 and M-20 below numbers 2300)	1
H-1	H001-1013044		214395 (HM-11354-A)		**SCREW**, cap, hex-hd., S., ⅜-16NC-2 x 4¼ (used on M-8 below numbers 8934 and M-20 below numbers 2300)	1
H-1	H001-1013032		(HM-1864-A)		**SCREW**, cap, hex-hd., S., ⅜-16NC-2 x 1 (used on M-8 below number 8934 and M-20 below number 2300)	1
H-1	H001-1518009		103321 (HM-342-A)		**WASHER**, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	2

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0503—RADIATOR FITTINGS (Cont'd)		
	4300-43700-B	01-2	(HM-43700-B)		PIPE, engine water pump outlet (replaces PIPE, G136-0338745, HM-42749-B) (used on M-8 above number 8934)	1	
H-1	H001-4167601		(HM-4079-A)		NUT, hex., br., 3/8-24NF-2 (used on M-8 above number 8934 and M-20 above number 2300)	2	
	4300-12696-A		(HM-12696-A)		STUD, engine water pump outlet pipe (S., 3/8-16NC-2 (5/8) x 1 3/4 x 3/8-24NF-2 (5/8) (used on M-8 above number 8934))	2	
H-1	H001-1518009		103321 (HM-342-A)		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	2	
	G136-0338748		A283722	A283722	PIPE, radiator water inlet, 1 3/4 x 9 long	1	
	G136-0338749		C118063	C118063	PIPE, radiator water outlet, 1 3/4 x 17 23/32	1	
	G510-0400106		(HM-11770BS)		THERMOSTAT, engine water temperature control, assembly (used on M-8 below number 8634 and M-20 below number 2200)	1	
	4300-13325-BS		(HM-13325-BS)		THERMOSTAT (Fulton Sylphon) (160° open) (145° open) engine water temperature control, assembly (supersedes and is interchangeable with HM-11770-BS, G510-0400106) (used on M-8 8634 to 8934 and M-20 2200 to 2300)	1	
	4300-13328-BS		(HM-13328-BS)		THERMOSTAT (Fulton Sylphon x 389796) (145° open) engine water temperature control, assembly (supersedes but not interchangeable with HM-13325-BS, 4300-13325-BS) (used on M-8 above serial number 8934 and on M-20 above serial number 2300)	1	
	G136-0407828		(HM-42747-C)		TUBE, engine water pump by-pass (replaced by TUBE, 4300-43703-C, HM-43703-C) (used on M-8 below number 8934 and M-20 below number 2300)	1	
	4300-43703-C		(HM-43703-C)		TUBE, engine water pump by-pass (replaces TUBE, G136-0407828, HM-42747-C) (used on M-8 above number 8934 and M-20 above number 2300)	1	
	G134-0194066	01-4	A283078 (KS-9500)	A283078	UNIT, sending, engine water temperature (used with B248901, GAGE, water temperature dash unit) (used on vehicles code number 1 to 8113 and even code numbers 2 to 7836)	1	
	G104-3142300	06-11 01-3	A297237 (SW-438021)	A297237	UNIT, sending, engine water temperature (used with B208797, water temperature, GAGE) (used on M-8 even number from 7836 and from 8113 and M-20 all numbers from 2146)	1	
					0504—ENGINE WATER PUMP		
	G067-1200099	05-2	C72501 (HM-45735-CS)	C72501	BODY, engine water pump, w/BUSHING, assembly	1	
H-1	H001-1013017	05-2	216920 (HM-303-A)		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	4	
H-1	H001-1518008	05-2	(HM-615-A)		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	4	
	G067-1200159	05-2	B158444 (HM-22171-B)	B158444	BUSHING, engine water pump shaft, rear (S., bablined 1.4995-1.5005 I.D. x 1.6250 O.D. x 2 7/32 length)	1	

	G067-1200161	05-2	A171674 (HM-22175-A)	A171674	BUSHING, engine water pump body packing gland	1
	G067-1200165	05-2	A171686 (HM-40168-A)	A171686	BUSHING, engine water pump shaft, front (S., babline ¾ I.D. x ⅞ O.D. 1¾ lgh.)	1
	G067-1200336	05-2	C68990 (HM-40171-CS)	C68990	COVER, water pump, w/BUSHING, assembly	
					(Composed of:	
			(HM-23303-A)		1–BUSHING, water pump	
	G134-0140006	05-2	(HM-40171-C)		1–COVER, water pump	
	G067-1200955	05-2	(HM-23116-A)		1–RETAINER, water pump)	
H-2	H002-0101410	05-2	507608 (HM-749-A)		CUP, lubricating, engine water pump (½-27 NPT ½ oz.)	1
	G067-1200591	05-2	A171671	A171671	GASKET, engine water pump body	1
	G067-1200589	05-2	A171670 (HM-22149-A)	A171670	GASKET, mounting, engine water pump (1/32 paper)	2
	G067-1200625	05-2	B158445 (HM-22195-B)	B158445	GEAR, drive, engine water pump (25 T.)	1
H-1	H001-0518032	05-2	218211 (HM-4265-A)		KEY, sq. (type C) S., ¼ x ¾ (No. 91)	1
	G067-1200600	05-2	A171676 (HM-22336-A)	A171676	GEAR, engine water pump shaft distributor drive (7 T.)	1
H-1	H001-0518006	05-2	124542 (HM-1179-A)		KEY, sq. (type C) S., 3/32 x ½ (No. 304)	1
	G067-0104347		A171673 (HM-22168-A)	A171673	SNAP RING, retainer, engine water pump shaft distributor drive gear	1
	G067-1200639	05-2	(HM-21265-A)		GLAND, water pump packing	1
	G067-1200653	05-2	A171685 (HM-40165-A)	A171685	IMPELLER, engine water pump	1
H-1	H001-0518012	05-2	124545 (HM-513-A)		KEY, sq., (type C) S., ⅛ x ⅝ (No. 405)	1
	G067-1200805	05-2	A171665 (HM-14507-A)	A171665	PIN, retainer, engine water pump impeller (S., 3/16 x 1½)	1
	G067-1200756	05-2	A144773 (HM-22177-A)	A144773	NUT, engine water pump packing gland, L.H. thread, special brass, 1½-14NC-3	1
	G067-1200755	05-2	A171672 (HM-22166-A) (SZ-10479)	A171672	PACKING, engine water pump, shaft	1
	G067-1200870	05-2	(HM-61-A)		PLUG, water pump body (⅜ std., pipe)	1
	G067-1200910		A163277 (HM-40068-A)	A163277	PLUNGER, thrust, water pump shaft	1
	G067-1200950	01-3,4	C65948 (HM-40170-CS)	C65948	PUMP, water, engine, assembly	1
H-1	H001-1013032	05-2	213729 (HM-1864-A)		SCREW, cap hex-hd., S., ⅜-16NC-2 x 1	3
H-1	H001-1518009	05-2	103321 (HM-342-A)		WASHER, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x 3/32 thk.)	3



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FIGURE 05-3—FAN AND IDLER PULLEY W/BRACKETS (EXPLODED)

FIGURE 05-3—FAN AND IDLER PULLEY W/BRACKETS (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	216920	0505
B	WASHER	103320	0505
C	BLADE, assembly	D67361	0505
D	CAP	A283361	0505
E	NUT	A284043-B	0505
F	BEARING	A283370	0505
G	PULLEY	C118320	0505
H	SCREW	100711	0505
J	WASHER	118869	0505
K	SPACER	A284030	0505
L	BEARING	A284034	0505
M	GASKET	A284037	0505
N	RETAINER	A284029	0505
P	SPINDLE	B248833	0505
Q	KEY	106751	0505
R	WASHER	A284036	0505
S	RETAINER	A284035	0505
T	SCREW	217068	0505
U	WASHER	103323	0505
V	BRACKET	C118321	0505
W	NUT	A284043-A	0505
X	WASHER	A284028	0505
Y	SCREW	A284042	0505
Z	NUT	218571	0505
AA	SNAP RING	A284033	0505
AB	WASHER	A284032	0505
AC	BRACKET	C118317	0505
AD	SCREW	217077	0505
AE	PIN	A284041	0505
AF	ARM	C118319	0505
AG	WASHER	A284031	0505
AH	BEARING	A284040	0505
AJ	RING, lock	A284039	0505
AK	PULLEY	C118322	0505

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GROUP 05—COOLING SYSTEM

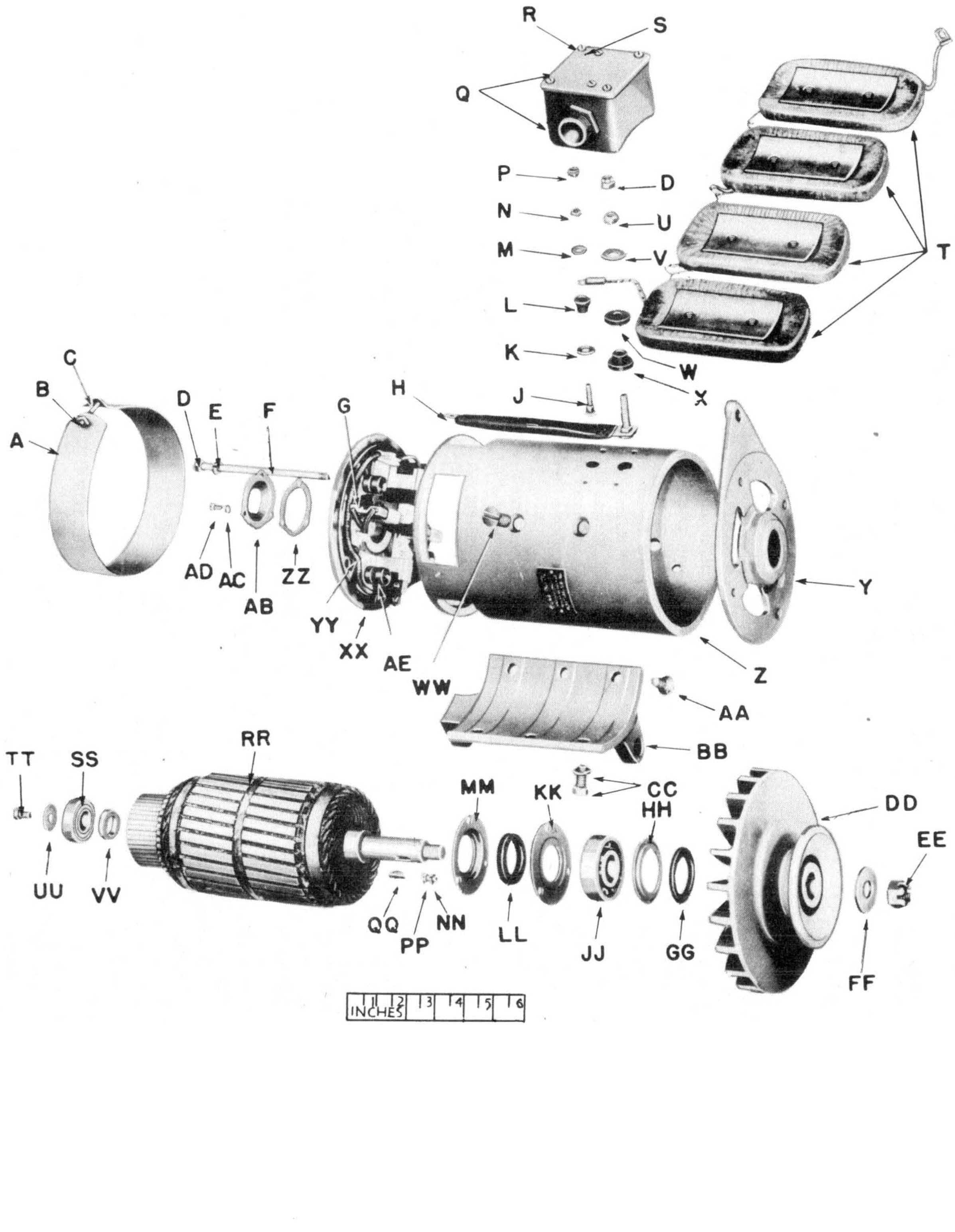
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0504—ENGINE WATER PUMP (Cont'd)		
	G067-1200955	05-2	A171677 (HM-23116-A)	A171677	RETAINER, oil, engine water pump shaft	1	
	G067-1201545	05-2	A171662 (HM-4661-A)	A171662	SEAL, oil, cork, engine water pump shaft	1	
	G067-1201195	05-2	B158477 (HM-40172-B)	B158477	SHAFT, impeller, engine water pump	1	
	G067-1201585	05-2	A171661 (HM-4024-A)	A171661	WASHER, fibre, engine water pump thrust (2½ O.D. x 1.512 I.D. x .0625 thk.)	1	
					0505—ENGINE FAN DRIVE, BELTS, PULLEYS		
	G136-5618319	05-3	C118319 (SZ-A113970)	C118319	ARM, engine fan idler pulley pivot pin	1	
	G136-0314880		A284043-B (SZ-C113960)	A284043	NUT, lock, engine fan idler arm to bracket (marsden type, S., 1-14NF-2 x ½ thk.)	1	
	G136-0336156	05-3	A284041 (SX-C113976)	A284041	PIN, hinge, engine fan idler	1	
	G136-0369932	05-3	A284033 (SZ-C113977)	A284033	SNAP RING, retaining, engine fan idler pulley arm pivot pin	1	
	G136-0443079	05-3	A284032 (SZ-C113980)	A284032	WASHER, engine fan idler pulley arm pivot pin, front (S., 1 17/64 I.D. x 1.405 O.D. x 5/16 thk.)	1	
H-12	H012-1303035	05-3	A284034 (700080) (ND-3207)	A284034	BEARING, ball, annular single row (1.377 I.D. x 2.834 O.D. x .667 thk.). engine fan hub, front	2	
H-12	H012-1303030	05-3	A283370 (700079) (ND-3206)	A283370	BEARING, ball, annular single row (1.1811 I.D. x 2.4409 O.D. x 5/8 width), engine fan hub, rear	2	
H-12	H012-0900140	05-3	A284040 (710164) (ND-885154)	A284040	BEARING, engine fan idler pulley (double row, double seal, 5/8 I.D. x 1.181 O.D. x 1 21/32 long)	1	
H-17	H017-0507223	01-1,2,3	D67400-A	D67400	BELT, drive, engine fan	2	
	G136-0122200	01-1,2 05-3	D67361 (SZ-FO-7507	D67361	BLADE, engine fan, assembly	2	
H-1	H001-1013017	05-3	216920		SCREW, cap, hex-hd., S., 5/16-18NC-2 x ¾	8	
H-1	H001-1518008	05-3	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	8	
		05-3	C118321	C118321	BRACKET, engine fan idler	1	
	G136-0131547	05-3	A283361 (SZ-C113618)	A283361	CAP, engine fan hub, front	2	
	G136-0194031	05-3	A284037 (SC-C5501)	A284037	GASKET, engine fan hub, rear bearing and retainer (treated paper, 2¼ I.D. x 2 15/16 O.D. x .031 thk.)	2	

	G136-0178300		D67398-B	D67398	HUB, fan, engine, left w/PULLEY and BRACKET, assembly	1
	G136-0178301		D67398-A	D67398	HUB, fan, engine, right, w/PULLEY and BRACKET, assembly	1
	G136-0314880	05-3	A284043-B (SX-C113960)	A284043	NUT, engine, fan idler pivot pin (marsden 1-14NF-2)	2
	G136-0314879	05-3	A284043-A (SX-B113887)	A284043	NUT, engine, fan shaft bracket (marsden 1-14NF-2 x 35/64 thk.)	2
	G136-0345870	01-1	C118318 (SZ-A113969)	C118318	PULLEY and BRACKET, engine fan idler, assembly	1
					(Consists of:	
	G136-5618319		C118319	C118319	1–ARM, idler	
H-12	H012-0900140		A284040	A284040	1–BEARING	
			C118317	C118317	1–BRACKET	
	G136-0314880		A284043-B	A284043	1–NUT	
H-1	H001-0718025		218571		1–NUT	
	G136-0336156		A284041	A284041	1–PIN	
	G136-0345855		C118322	C118322	1–PULLEY, idler	
	G136-0447795		A284039	A284039	1–RING, lock	
	G136-0382082		A284042	A284042	1–SCREW	
	G136-0369932		A284033	A284033	1–SNAP RING	
	G136-0443079		A284032	A284032	1–WASHER	
H-1	H001-1518011		103323		1–WASHER	
	G136-0443095		A284031	A284031	1–WASHER, clamp)	
H-1	H001-0718025	05-3	218571		NUT, reg., hex., s-fin., S., 1/2-20NF-2	1
	G136-0382082	05-3	A284042 (SZ-C9776)	A284042	SCREW, adjusting, hex., S., 1/2-20NC-2 x 5 11/16	1
H-1	H001-1013078	05-3	217077		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 3	4
H-1	H001-1518011	05-3	103323		WASHER, lock, reg., S., 1/2 (.515 I.D. x .869 O.D. 1/8 thk.)	5
	4300-42502-C	01-6	(HM-42402-C)		PULLEY, engine, crankshaft fan drive	1
H-1	H001-0518032		218211 (HM-4265-A)		KEY, sq., (type C), S., 1/4 x 3/4 (No. 91)	2
	G136-7009131	01-4	D67398-C	D67398	PULLEY, engine, fan, w/HUB and SHAFT, assembly	2
H-1	H001-1013077	05-3	217068		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 2 3/4	4
H-1	H001-1518011	05-3	103323		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.)	8
	G136-034854	05-3	C118320 (SZ-A113972)	C118320	PULLEY, engine fan	2
	G136-0345855	05-3	C118322 (SZ-A113971)	C118322	PULLEY, engine fan idler	1
	G136-0367651	05-3	A284035 (SZ-C4424)	A284035	RETAINER, engine fan hub bearing oil seal	2
H-1	H001-1026070	05-3	100711		SCREW, mach., oval-fil-hd., S., No. 8 (.164) 32NC-2 x 3/8 (replaces wire A284038)	2
H-1	H001-1517004	05-3	118869		WASHER, lock, lgt., S., No. 8 (.164) (.169 I.D. x .263 O.D. x 1/32 thk.) (replaces wire A284038)	2
	G136-0367650	05-3	A284029 (SZ-C2970)	A284029	RETAINER, grease cork, engine fan pulley to spindle (1 27/32 I.D. x 2.920 O.D. x 1/8 thk.)	2

GROUP 05—COOLING SYSTEM

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0505—ENGINE FAN DRIVE, BELTS, PULLEYS (Cont'd)		
	G136-0447795	05-3	A284039 (SZ-C102178)	A284039	RING, lock, engine fan idler pulley bearing	1	
H-1	H001-1013077	05-3	217068		SCREW, cap, hex-hd., S., $\frac{1}{2}$-13NC-2 x $2\frac{3}{4}$ (engine idler pulley bracket to timing gear cover)	4	
	G136-0443096	05-3	A284036 (SZ-C4425)	A284036	SEAL, oil, cork engine fan hub bearing	2	
	G136-0389423	05-3	A284030 (SZ-C113987)	A284030	SPACER, bearing, fan pulley (S., 1.3801 I.D. x $1\frac{13}{32}$ O.D. x $1\frac{15}{16}$ lgh.)	2	
	G136-0389600	05-3	B248833 (SZ-B113973)	B24833	SPINDLE, engine fan	2	
H-1	H001-0518021	05-3	106851		KEY, ni-S., $\frac{3}{16}$ x $\frac{3}{4}$ (No. 606)	2	
	G136-0314879	05-3	A284043-A (SZ-B113887)	A284043	NUT, engine fan bearing retainer, rear (marsden, hex-hd., S., 1-14NF-2 x $\frac{1}{2}$ thk.)	2	
	G136-0443078		A284028 (SZ-C11848)	A284028	WASHER, fan, engine spindle to bracket (1.00 I.D. x $1\frac{7}{8}$ O.D. x .245)	2	
	G136-0443095	05-3	A284031 (SZ-C113988)	A284031	WASHER, engine fan idler pulley arm pivot pin, rear (S., $1\frac{1}{64}$ I.D. x $1\frac{11}{16}$ O.D. x $\frac{1}{2}$ thk.)	1	
					GROUP 06—ELECTRICAL		
					0601—GENERATOR, FORD (No. D67368 optional with GENERATOR, AUTOLITE No. AL-CDJ-4824-A) (Procure one type only)		
	G136-0110500	06-1	C118151	C118151	ARMATURE, battery charging generator, assembly	1	
H-12	H012-1304020	06-1	A283199 (FB-1304)	A283199	BEARING, ball, annular, single row, .7870 bore x 2.0466 O.D. x .5906 thk. (battery charging generator armature shaft, drive end)	1	
H-12	H012-1313017	06-1	700119 (FB-1203-F)		BEARING, ball, single row, annular, .669 bore x 1.57415 O.D. x .41 thk. (battery charging generator, commutator end)	1	
H-1	H001-1013212	06-1	216253 (FM-355143S7)		SCREW, cap, hex-hd., S., $\frac{1}{4}$-28NF-2 x $\frac{1}{2}$	1	
	G134-0391122	06-1	A283496	A283496	STOP, battery charging generator, commutator end	1	
	G136-0443057	06-1	A276933	A276933	WASHER, flat, battery charging generator, commutator end	1	
	G136-0443088		A283203	A283203	WASHER, battery charging generator, commutator end	1	
	G136-0124541	01-3,4 06-1	B248891	B248891	BOX, battery charging generator, terminal, w/CIRCUIT BREAKER	1	
	G136-0382084		A285001-A	A284001	SCREW, oval-fil-hd., S., No. 10-32NF-2 x $\frac{3}{8}$, mounting battery charging generator, terminal box	3	
H-1	H001-1518005		106497		WASHER, lock, reg., S., No. 10		

H-17	H017-0507293		D67400-B	D67400	BELT, drive, battery charging generator (used on M-8 serial number 1 to 495 and all even serial numbers to 500. M-20 used on all serial numbers 1 to 30)	1
	G136-0125956		A283136	A283136	BRACKET, battery charging generator, drive end, w/BEARING	1
	G136-0125905	06-1	C117360	C117360	BRACKET, generator, rear (part of A283136)	1
	G134-0125717	06-3	(HM-42813-C)		BRACKET, mounting, battery charging generator	1
	G134-0125700	06-3	(HM-42815-A)		BRACE, battery charging generator mounting bracket	1
H-1	H001-1013076	06-3	216838 (HM-4068-A)		SCREW, cap, hex-hd., S., ½-13NC-2 x 2½	3
H-1	H001-1013070	06-3	217051 (HM-2100-A)		SCREW, cap, hex-hd., S., ½-13NC-2 x 1	2
H-1	H001-1518011	06-3	103323 (HM-312-A)		WASHER, lock SAE, std., ½ (.515 I.D. x .859 O.D. x ⅛ thk.)	5
	G104-1526020		A297825	A297825	BREAKER, circuit, generator terminal box	1
	G134-0126261	06-1	A284817	A284817	BRUSH, battery charging generator, w/LEAD, assembly	4
H-1	H001-1026463		100659		SCREW, machine., oval-fil-hd., S., No. 10 (.190)-32NF-2 x ⅜	4
	G104-1789691	06-1	A283196	A283196	SPRING, battery charging generator brush	8
H-1	H001-1518005	06-1	106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	4
	G136-0447792	06-1	A285061	A285061	WIRE, battery charging generator brush connecting	1
	G136-0128036	06-1	A248357	A248357	BUSHING, generator armature terminal insulator	1
	G134-0232821	06-1	A285068 (FM-19B-10202)	A285068	BUSHING, phenolic resin, generator field coil insulator	1
	G136-0131548	06-1	A283528	A283528	CAP, battery charging generator front bearing	1
	G136-0382084	06-1	A285001-A	A285001	SCREW, oval-fil-hd., S., No. 10-32NF-2 x ⅜, battery charging generator front bearing cap	4
H-1	H001-1518005	06-1	106497		WASHER, lock, No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	3
	G136-0139785	06-1	B248905	B248905	COIL SET, field, battery charging generator (Consists of:	1
			B248906-A	B248906	1–COIL	
			B248906-B	B248906	1–COIL	
			B248906-C	B248906	1–COIL	
			B248906-D	B248906	1–COIL	
					SCREW, fl-hd., S., 7/16-14NC-2 x 1.1, battery)	
	G136-0140056		A248352	A248352	CONNECTOR, generator terminal post to circuit breaker	1
	G402-5172431		A172431	A172431	ELBOW, generator terminal box	1
	G104-1531220		A248332	A248332	EYELET, terminal, generator field coil lead	1
	G136-0382076		A283526 (FM-99B-1004)	A283526	SCREW, fl-hd., S., 7/16-14NC-2 x 1.1, battery charging generator pole shoe	8
	G136-0188200	06-1	C118330	C118330	FRAME, generator, w/field COIL, assembly (Consists of:	1
	G136-0382016		A284143	A284143	5–BOLT	
	G136-0128036		A248357	A248357	1–BUSHING	
	G136-0139785		B248905	B248905	1–COIL	
	G136-0398796		A284148	A284148	1–CONNECTOR	
			C118115	C118115	1–FRAME	
	G085-2266510		A283522	A283522	1–INSULATOR	
	G085-2266540		A283525	A283525	1–INSULATOR	



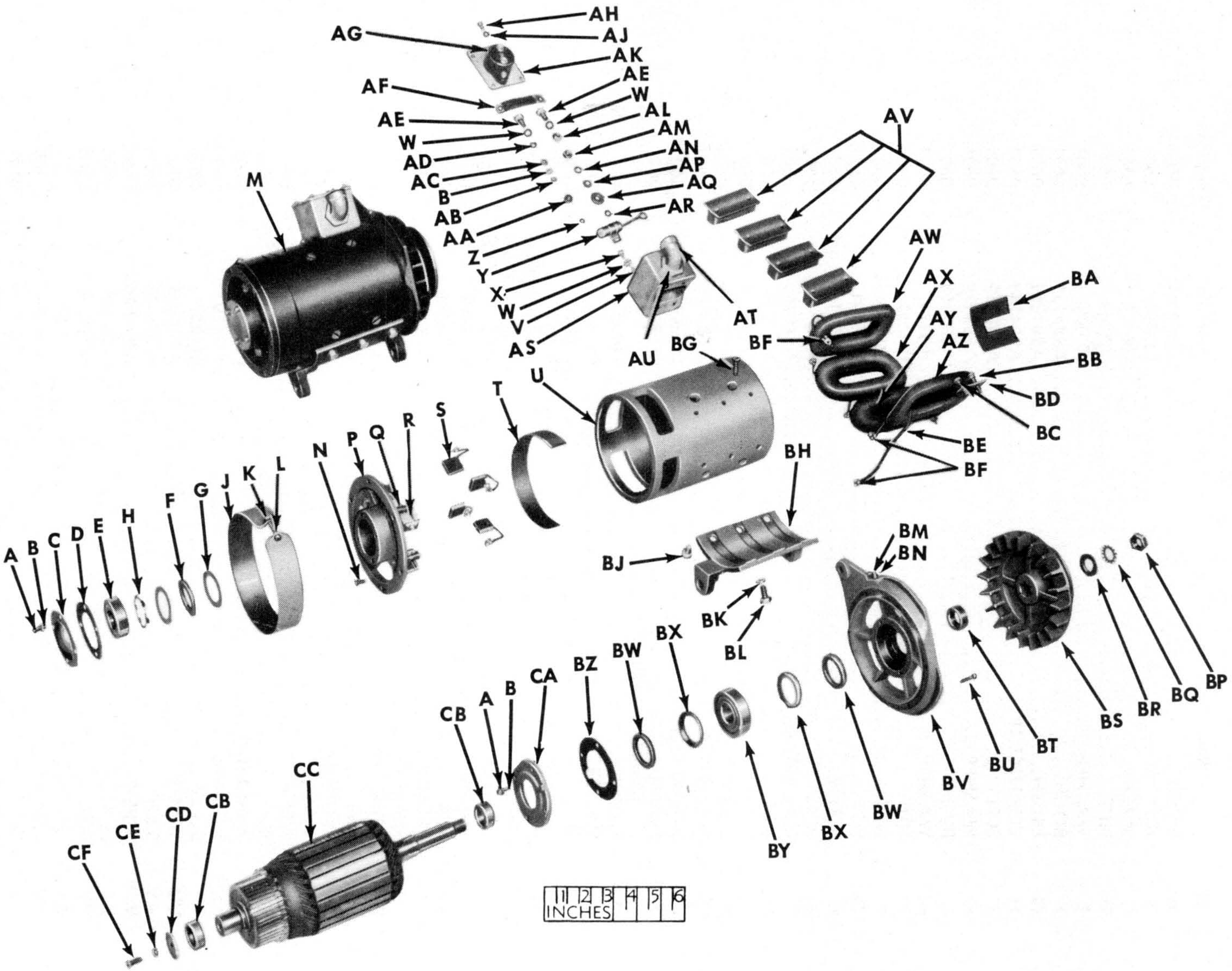
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FIGURE 06-1—GENERATOR ASSEMBLY D-67368 AND D-67368-A (EXPLODED)

FIGURE 06-1—GENERATOR ASSEMBLY D-67368 AND D-67368-A (EXPLODED)

Key	Item	Part No.	Group No.
A	BAND	B206831	0601
B	NUT	103088	0601
C	SCREW	100772	0601
D	NUT	503344	0601
E	WASHER	103320	0601
F	BOLT	A284151	0601
G	BRUSH	A284817	0601
H	CONNECTOR	A284148	0601
J	SCREW	A248359	0601
K	WASHER	A283522	0601
L	BUSHING	A285068	0601
M	WASHER	103338	0601
N	NUT	103088	0601
P	NUT	503249	0601
Q	BOX	B248891	0601
R	SCREW	100711	0601
S	WASHER	106496	0601
T	COIL SET, field	A248905	0601
U	NUT	218564	0601
V	WASHER	103340	0601
W	WASHER	A248358	0601
X	BUSHING	A248357	0601
Y	BRACKET	C117360	0601
Z	FRAME (Part of C118330)	C118115	0601
AA	SCREW	119481	0601
BB	SUPPORT	C118108	0601
CC	SCREW	A284143	0601
	WASHER	106497	0601
DD	PULLEY	B248804 (3⅝")	0601
	PULLEY	B248750 (4½")	0601
EE	NUT	218599	0601
FF	WASHER	A284124	0601
GG	SEAL	A283204	0601
HH	RETAINER	A283195	0601
JJ	BEARING	A283199	0601
KK	RETAINER	A283505	0601
LL	SEAL	A283506	0601
MM	RETAINER	A283497	0601
NN	WASHER	103338	0601
PP	SCREW	A285001-C	0601
QQ	KEY	106750	0601
RR	ARMATURE	C118151	0601
SS	BEARING	700119	0601
TT	SCREW	216253	0601
UU	WASHER	A276933	0601
VV	STOP	A283496	0601
WW	SCREW	A283526	0601
XX	PLATE	B246882	0601
YY	WIRE	A285061	0601
ZZ	GASKET	A283504	0601
AB	CAP	A283528	0601
AC	WASHER	103338	0601
AD	SCREW	A285001-A	0601
AE	SPRING	A283196	0601

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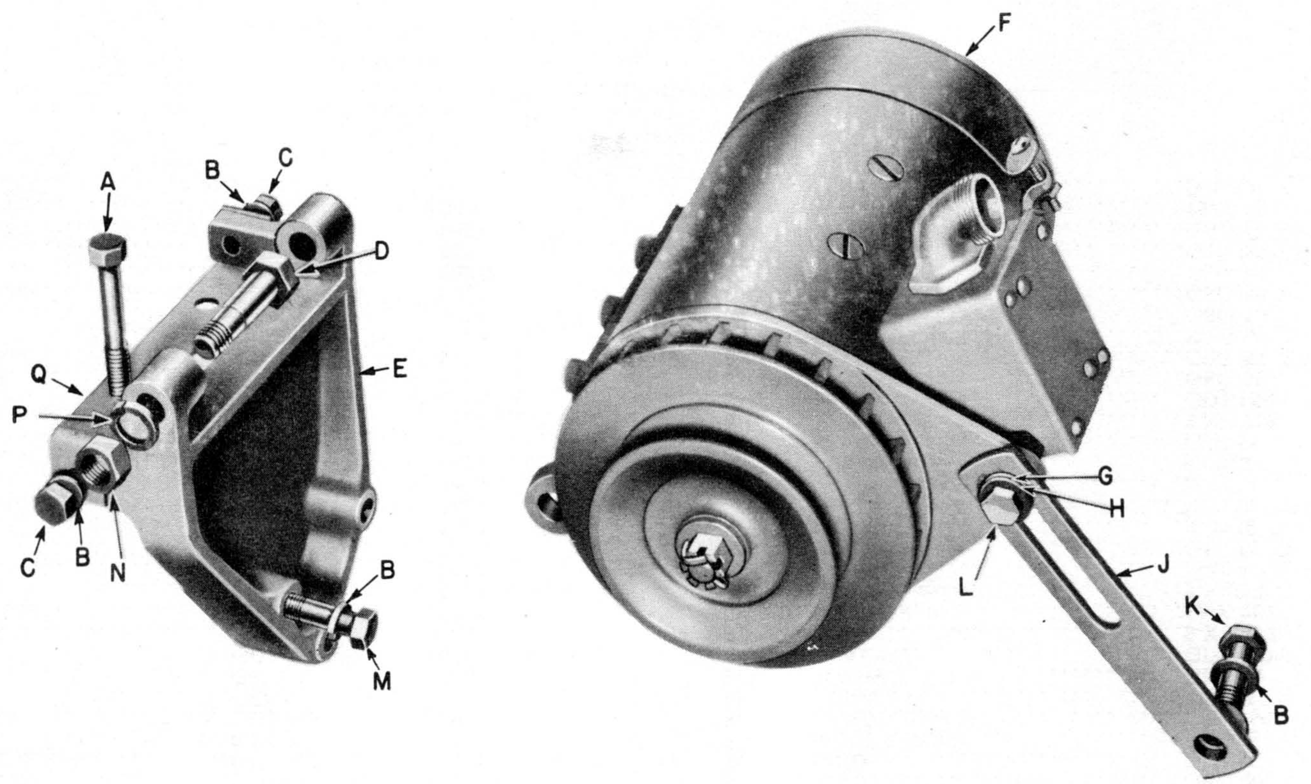
RA PD 348212

FIGURE 06-2—GENERATOR (EXPLODED) (NEW TYPE)

FIGURE 06-2—GENERATOR (EXPLODED) (NEW TYPE)

Key	Item	Part No.	Group No.
A	SCREW	GFM-4-B	0601
B	WASHER, lock	12-X-196	0601
C	COVER	GDJ-63-A	0601
D	GASKET	GDJ-27	0601
E	BEARING	X-1709	0601
F	WASHER, felt	GDJ-24	0601
G	WASHER, felt	GCE-40	0601
H	WASHER, spring	GDJ-23	0601
J	BAND, cover	GBG-24-B	0601
K	NUT	8-X-794	0601
L	SCREW	GFM-4	0601
M	GENERATOR, assembly	GDJ-4824-A	0601
N	SCREW	8-X-933	0601
P	HEAD, assembly	GDJ-2133	0601
Q	SPRING	GCE-53	
R	ARM, brush	GBY-34	0601
S	BRUSH SET	GDJ-2012-S	0601
T	INSULATION	GBG-30	0601
U	HOUSING, frame	GBG-162	0601
V	NUT	8-X-173	0601
W	WASHER	X-2901	0601
X	SCREW	8-X-870	0601
Y	CONDENSER	XA-698	0601
Z	BUSHING	GDJ-14	0601
AA	WASHER	GBF-55	0601
AB	WASHER	8-X-183-A	0601
AC	NUT	8-X-1377	0601
AD	NUT	365-1032	0601
AE	SCREW	GFM-4-A	0601
AF	CONNECTOR	XA-700	0601
AG	CIRCUIT, breaker	XA-716	0601
AH	SCREW	8-X-305	0601
AJ	WASHER	X-2885	0601
AK	COVER, assembly	GDJ-1141	0601
AL	NUT	X-1942	0601
AM	NUT	8-X-1376	0601
AN	WASHER, lock	12-X-1014	0601
AP	WASHER, plain	MU-37	0601
AQ	WASHER, (INS.)	MU-36-A	0601
AR	BUSHING	GDJ-15	0601
AS	SHIELD, assembly	GDJ-2142	0601
AT	ELBOW	XA-703	0601
AU	NUT	XA-702	0601
AV	SHOE, pole	GBJ-29	
AW	COIL	GDJ-1007	0601
AX	COIL	GDJ-1008	0601
AY	COIL	GDJ-1009	0601
AZ	COIL	GDJ-1010-A	0601
BA	INSULATION	GDJ-18	0601
BB	STUD	GBW-58	0601
BC	STUD	GDJ-151	0601
BD	INSULATION	GDJ-66	0601
BE	LEAD, assembly	GDJ-150	0601
BF	TERMINAL	X-1425	0601
BG	SCREW	GBG-38	0601
BH	BRACKET	GDJ-149	0601
BJ	SCREW	8-X-2887	0601
BK	WASHER, lock	12-X-201	0601
BL	SCREW, bracket	8-X-813	0601
BM	OILER	X-489	0601
BN	WICK	GT-124	0601
BP	NUT	X-1178	0601
BQ	WASHER, shakeproof	X-1177	0601
BR	WASHER, plain	X-1134	0601
BS	PULLEY	SP-724	0601
BT	SPACER	GFR-56	0601
BU	SCREW	8-X-1713	0601
BV	HEAD	GDJ-152	0601
BW	WASHER	GBG-58	0601
BX	RETAINER	GBG-57-A	0601
BY	BEARING, ball	X-1699	0601
BZ	GASKET	GBG-50	0601
CA	RETAINER	GBG-56	0601
CB	SPACER	GBG-49	0601
CC	ARMATURE	GDJ-2062-F	0601
CD	WASHER	GBG-66	0601
CE	WASHER, lock	12-X-199	0601
CF	SCREW	DA-60	0601

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RA PD 28514

FIGURE 06-3—GENERATOR MOUNTING BRACKETS AND PARTS

Key	*Item*	*Part No.*	*Group No.*
A	SCREW	HM-4418-A	0101
B	WASHER	103323	0601
C	SCREW	HM-2100-A	0601
D	SCREW	HM-11692-A	0601
E	BRACKET	HM-42813-C	0601
F	GENERATOR	D67368-A	0601
G	WASHER	HM-14566-A	0601
H	WASHER	103342	0601
J	STRAP	A283992	0601
K	BOLT	223997	0601
L	BOLT	223609	0601
M	SCREW	216838	0601
N	NUT	218563	0601
P	WASHER	103325	0601
Q	BRACE	HM-42815-A	0601

RA PD 28514C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR, FORD (No. D67368 optional with GENERATOR, AUTOLITE No. AL-CDJ-4824-A) (Procure one type only) (Cont'd)		
H-1	H001-0718022		218564		1–NUT		
H-1	H001-0721003		105606		1–NUT		
	G085-2100707		A283197	A283197	2–PIN		
			A284112	A284112	4–POLE		
			119481		1–SCREW		
	G136-0382076		A283526	A283526	8–SCREW		
	G136-0392772		C118108	C118108	1–SUPPORT		
H-1	H001-1530005		103338		1–WASHER		
H-1	H001-1530008		103340		1–WASHER		
H-1	H001-1518009		106497		5–WASHER, lock		
	G104-1842876		A248358	A248358	1–WASHER		
	G134-0232821		A285068	A285068	1–WASHER)		
	G136-0194037	06-1	A283504 (FM-19B-10119)	A283504	GASKET, generator front end plate cap	1	
	G134-0196300		D67368	D67368	GENERATOR, battery charging, w/PULLEY, assembly (used on all M-20 below serial number 30 and on M-8 even numbers below 502; odd numbers below 497) (use with BELT, D67400-B)	1	
	G136-7035002	01-1,4 06-1	D67368-A	D67368	GENERATOR, battery charging, w/PULLEY, assembly, (use on all M-20 from serial number 30 to 2213 and all M-8 even numbers above 500; odd numbers above 495) (use with BELT, D67400-C)	1	
H-1	H001-0718021	06-3	218563 (HM-1124-A)		NUT, reg., hex., s-fin., S., 1/4-28NF-2	2	
H-1	H001-1013325	06-3	215923 (HM-11692-A)		SCREW, cap, hex-hd., S., 5/8-18 x 2 3/4	2	
H-1	H001-1518013	06-3	103325 (HM-1126-A)		WASHER, lock, reg., S., 5/8 (.655 I.D. x 1.062 O.D. x 5/32 thk.)	2	
	G085-2266540		A283525 (FM-99B-10103)	A283525	INSULATOR, varnished cambric, field coil connecting wire	1	
H-1	H001-0518015	06-1	106750 (FM-74145-S)		KEY, woodruff, S., 5/32 x 5/8 (No. 505) (battery charging generator drive pulley)	1	
	G136-5284643		A284643	A284643	KIT, repair, battery charging generator (Consists of:	1	
	G134-0126261		A284817	A284817	4–BRUSH, generator, assembly		
	G136-0194037		A283504	A283504	1–GASKET, end plate cap		
	G085-2266510		A283522	A283522	2–INSULATOR, inner generator terminal screen		
	G085-2266540		A283525	A283525	1–INSULATOR, field coil connecting wire		
	G134-0382887		A283204	A283204	1–SEAL, oil, generator, rear		

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR, FORD (No. D67368 optional with GENERATOR, AUTOLITE No. AL-CDJ-4824-A) (Procure one type only) (Cont'd)		
	G134-0382874		A283506	A283506	1–SEAL, oil, generator, rear bearing		
			A284646	A284646	1–SCREW, generator field coil terminal		
	G136-0382068		A248359	A248359	1–SCREW		
	G136-0382084		A285001-A	A285001	3–SCREW, rear bearing cap		
	G166-0382275		A285001-C	A285001	3–SCREW, generator oil seal to end plate		
	G104-1789691		A283196	A283196	8–SPRING, generator brush		
	G104-1531220		A248332	A248332	1–TERMINAL, generator field coil lead		
	G104-1842876		A248358	A248358	1–WASHER, generator armature terminal post		
	G136-0443057		A276933	A276933	1–WASHER, generator armature retaining screw		
	G134-0232821		A285068	A285068	1–WASHER, generator field post terminal insulator		
	G136-0447792		A285061	A285061	1–WIRE, generator brush connector)		
H-4	H004-0303062		A213567-D	A213567	NUT, generator terminal box (br., 1 3/16-18NS-2 x 3/16 thk.)	1	
H-1	H001-0716610		103088		NUT, mach., screw, hex., S., No. 10 (.190)-32NF-1 (battery charging generator field coil lead terminal stud)	1	
H-1	H001-0716610	06-1	103088		NUT, mach., screw, hex., S., No. 10 (.190)-32NF (battery charging generator, terminal box filter unit mounting screw)	2	
H-1	H001-0718021		218563 (HM-1124-A)		NUT, reg., hex., s-fin., S., (NF), 5/8-18-NF-2 (battery charging generator, mounting bracket hinge screw)	2	
H-1	H001-0718022	06-1	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2 (battery charging generator, armature lead, terminal post)	1	
H-1	H001-0725440	06-1	503249		NUT, safety, m-screw, S. (elastic stop nut type) No. 10 (.190)-32NF-2. (battery charging generator field coil lead terminal stud)	1	
H-1	H001-0725650	06-1	503344		NUT, safety, S. (Elastic Stop Nut type -NF) 5/16-24NF-3 (battery charging generator armature lead stud)	2	
	G085-2100707		A283197	A283197	PIN, dowel, generator frame	2	
	G136-0340250	06-1	B246882	B246882	PLATE, battery charging generator, brush end	1	
	G136-0124257	06-1	A284151	A284151	BOLT, battery charging generator frame	2	
H-1	H001-0725650	06-1	503344		NUT, safety, S. (Elastic Stop Nut type -NF) 5/16-24NF-3	1	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	2	
	G136-0340201		A285064	A285064	PLATE, name, generator	1	
	G136-0382022		B197562-H	B197562	SCREW, drive, attaching generator name plate (.098 x 3/16)	2	
	G136-0345857	06-1	B248750	B248750	PULLEY, drive, battery charging generator (4 1/2) (used with GENERATOR, D67368-A) (use with BELT, D67400-C)	1	
H-1	H001-0714250	06-1	218599		NUT, castle, alloy-S., 1/2-20NF-2	1	
H-1	H001-0811050		103384		PIN, cotter, split, S. (type B) 1/8 x 3/4	1	
	G136-0443090	06-1	A284124	A284124	WASHER, S., .525 I.D. x 1 1/4 O.D. x .1196 thk., battery charging generator armature shaft nut	1	

	G136-0345853	06-1	B248804	B248804	PULLEY, drive, battery charging generator (3⅝) (used with D67368 generator) (used on M-8 even serial numbers above 500; odd numbers above 495. M-20 all serial numbers above 30)	1
	G134-0367339	06-1	A283505 (FM-19B-10214)	A283505	RETAINER, rear generator oil seal	1
	G134-0367332	06-1	A283497	A283497	RETAINER, rear generator oil seal	1
	G166-0382275	06-1	A285001-C	A285001	SCREW, oval-fil-hd., No. 10-32NF-2 x ½	3
H-1	H001-1518005	06-1	103338		WASHER, lock, No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	3
	G134-0367356	06-1	A283195 (FM-99B-10121)	A283195	RETAINER, rear generator oil seal	1
		06-1	100711		SCREW, battery charging generator terminal box covers	4
	G136-0382068	06-1	A248359	A248359	SCREW, generator field terminal	1
H-1	H001-1026562		225514		SCREW, machine, oval-fil-hd., S., 5/16-24NF-2 x ½ (battery charging generator ground strap)	1
H-1	H001-1026465		100660		SCREW, machine, oval-fil-hd., S., No. 10 (.190)-32NF-2 x ½ (mounting battery charging generator terminal box filter)	1
	G134-0382887	06-1	A283204 (FM-99B-10122)	A283204	SEAL, oil, felt, generator, rear (1.160 I.D. x 1 23/32 O.D. x .120 thk.)	1
	G134-0382874	06-1	A283506 (FM-19B-10212)	A283506	SEAL, oil, felt, rear generator bearing	1
	G136-0115900	06-1	B206831	B206831	STRAP, cover, battery charging generator commutator window	1
H-1	H001-0716610	06-1	103088		NUT, mach., screw, hex., S., No. 10 (.190)-32NF-1	1
H-1	H001-1030595	06-1	100772		SCREW, mach., rd-hd., S., No. 10-32NF-2 x 1½	1
	G136-0392226	06-3	A283992	A283992	STRAP, generator, assembly	1
H-1	H001-0116651	06-3	223997		BOLT, generator strap	1
H-1	H001-0116248	06-3	223609		BOLT, generator strap	1
H-1	H001-1518011	06-3	103323		WASHER, generator strap	1
H-1	H001-1530010	06-3	103342		WASHER, generator strap	1
	G136-0398796	06-1	A284148	A284148	STUD, battery charging generator armature lead, w/CABLE and TERMINAL, assembly	1
	G136-0392772	06-1	C118108	C118108	SUPPORT, battery charging generator	1
	G136-0382016	06-1	A284143	A284143	SCREW, cap, battery charging generator support to frame (hex-hd., S., ⅜-24NF-2 x 11/16)	5
H-1	H001-1023791	06-1	119481		SCREW, machine, fl-hd., S., ⅜-24NF-2 x ⅝	1
H-1	H001-1518009	06-1	106497		WASHER, lock, reg., S., ⅜ (.390 I.D. x .640 O.D. x 3/32 thk.)	5
H-1	H001-1518004	06-1	106496		WASHER, battery charging generator terminal box cover	4
	G104-1842876	06-1	A248358	A248358	WASHER, fibre, generator armature terminal insulator (.320 I.D. x .930 O.D. x .18 thk.)	1
	G085-2266510	06-1	A283522 (FM-81A-10208)	A283522	WASHER, generator terminal screw, inner	2
H-1	H001-1530005		103338		WASHER, lock, No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.) (battery charging generator field coil lead terminal stud)	1
H-1	H001-1519013		115551		WASHER, lock, interval teeth reg., S., ½ in. (battery charging generator adjusting arm to engine)	1

0601

GROUP 06—ELECTRICAL

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR, FORD No. D67368, optional with GENERATOR, AUTOLITE No. AL-CDJ-4824-A) (Procure one type only) (Cont'd)		
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.) (battery charging generator ground strap screw)	1	
H-1	H001-1518005		103338 (FM-34803-S7-S8)		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	1	
	G136-0443041		A284169-A	A284169	WASHER, lock, No. 10, battery charging generator shield mounting screw	2	
H-1	H001-1530010	06-3	103342 (HM-14566-A)		WASHER, plain, S., U.S. std., 7/16 in. (15/16 I.D. x 2 1/4 O.D. x 5/32 thk.) (generator adjusting strap screw)	1	
H-1	H001-1530008		103340		WASHER, S., 5/16 in. (11/32 I.D. x 11/64 O.D. x 1/16 thk.) (battery charging generator armature lead terminal post)	1	
	2980-GDJ-118		(AL-GDJ-118)		WICK, felt, 1/4 x 1/4, battery charging generator commutator end	1	
					0601—GENERATOR (AUTOLITE)		
					(Replaces GENERATOR D67368-A with which it is interchangeable as a unit.) (Used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213.)		
	G136-0392226		A283992	A283992	ARM, adjusting, battery charging generator drive bolt, assembly	1	
H-1	H001-0116248		223609		SCREW, hex-hd., s-fin., alloy S., 7/16-20NF-2 x 1 in.	1	
H-1	H001-0116651		223997		SCREW, 1/2-20NF-2 x 1 3/8		
H-1	H001-1518010		103342		WASHER, plain, 7/16 in.	1	
	2980-GDJ-2062-F	06-1	(AL-GDJ-2062-F)		ARMATURE, battery charging generator, assembly (used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	1	
H-12	H012-1384025	06-1	(AL-X-1709)		BEARING, ball, sealed, battery charging generator, commutator end (SAE 205) (used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial numbers 2213)	1	
H-12	H012-1321025	06-1	(AL-X-1699)		BEARING, ball, shielded, battery charging generator, drive end (SAE 305)		
	G067-0902820		(AL-GBG-50)		GASKET, battery charging generator	1	
	2980-GBG-57-A		(AL-GBG-57-A)		RETAINER, battery charging generator bearing oil seal, drive end	2	
	G160-367690	06-2			RETAINER, generator oil seal rear, battery charging generator	1	
	G104-2382186		(AL-GFM-4-B)		SCREW, fil-hd., No. 10-32 x 1/2, battery charging generator, drive end bearing retainer	4	
	G067-0906680		(AL-GBG-58)		SEAL, oil, felt, battery charging generator bearing drive end (1 19/64 x 1 13/16 x 3/16)	2	
H-1	H001-7025621		(AL-12X-196)		WASHER, lock, No. 10, battery charging generator, drive end bearing retainer screw	4	

	G136-0118253	01-1,2,3	D67400-C	D67400-C	BELT, drive, battery charging generator (use with GENERATOR D67368-A) (used on M-8 odd serial numbers above 495; and even serial numbers above 500. M-20 all serial numbers above 30)	1
	G134-0125717		(HM-42813-C)		BRACKET, mounting, battery charging generator	1
	G134-0125700		(HM-42815-A)		BRACE, battery charging generator mounting bracket	1
H-1	H001-1013076		216838 (HM-4068-A)		SCREW, cap, hex-hd., S., ½-13NF-2 x 2½	3
H-1	H001-1013070		217051 (HM-2100-A)		SCREW, cap, hex-hd., S., ½-13NC-2 x 1	2
H-1	H001-1518011		103323 (HM-312-A)		WASHER, lock, reg., S., ½ (battery charging generator, mounting brace screw)	5
	G136-5284644		A284644	A284644	BREAKER, circuit, battery charging, assembly	1
					(Consists of:	
	G104-152602		B243858-S	B243858	1–BREAKER, circuit	
	G136-0140056		A248352	A238352	1–CONNECTOR	
	G136-0183025		A285133	A285133	1–CONDENSOR)	
H-1	H001-4035581		503250		NUT, safety, mach., No. 10-32 battery charging generator circuit breaker, mounting screw	2
H-1	H001-5148881		132919		SCREW, mach., No. 10-32NF-2 x ⅞ in.	2
H-1	H001-1030589		100766		SCREW, mach., rd-hd., No. 10-32NF-2 x ¾	2
	G136-0443041		A284169-A	A284169	WASHER, lock, tooth type, No. 10, battery charging generator filter mounting screw	2
	G067-0900665		(AL-GDJ-2012-S)		BRUSH SET, battery charging generator	1
					(Consists of:	
			(AL-GDJ-1012)		4–BRUSHES)	
	G104-1510323		(AL-GBY-34)		HOLDER, brush, battery charging generator, assembly	4
	G104-1789657		(AL-GCE-53)		SPRING, battery charging generator brush	4
H-1	H001-7021651		(AL-12X-195)		WASHER, lock, No. 8, battery charging generator brush lead screw	4
	2980-KIT-122		(AL-KIT-122)		COIL SET, field, battery charging generator	1
					(Consists of:	
			(AL-GDJ-14)		1–BUSHING	
			(AL-GDJ-15)		1–BUSHING, armature terminal insulating	
			(AL-GDJ-1005-A)		1–COIL, field, assembly	
	G067-0901750		(AL-GDJ-1007)		1–COIL, field, upper, left	
	G067-0901730		(AL-GDJ-1008)		1–COIL, field, lower, left	
	G067-9001740		(AL-GDJ-1009)		1–COIL, field, lower, right	
			(AL-GDJ-1010-A)		1–COIL, field, upper, right	
	G067-9003420		(AL-GBG-30)		1–INSULATOR, field connection	
			(AL-GDJ-18)		1–INSULATION, field terminal	
	G067-9003469		(AL-GDJ-66)		1–INSULATION, terminal stud, inner	
	2980-GDJ-150		(AL-GDJ-150)		1–LEAD, assembly	

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR (AUTOLITE) (Cont'd)		
H-1	H001-4135681		(AL-8X1377)		1–NUT, field terminal		
H-1	H001-4167561		(AL-8X1376)		1–NUT, hex., armature terminal		
H-1	H001-5148821		(AL-8X321)		1–SCREW, round head, ground		
	G067-0904940		(AL-GBG-38)		8–SCREW, pole piece		
	2980-GDJ-151		(AL-GDJ-151)		1–STUD, armature, terminal		
	G156-0342415		(AL-GBW-58)		1–STUD, field terminal		
	G156-0398801		(AL-X-1425)		1–TERMINAL		
	G067-0800462		(AL-8X183-A)		1–WASHER, field terminal insulating		
			(AL-GBF-55)		1–WASHER, field terminal insulating		
			(AL-MU-36-A)		1–WASHER, armature terminal insulating		
H-1	H001-7043711		(AL-MU-37)		1–WASHER, plain, armature terminal		
H-1	H001-7025711		(AL-12X1014)		1–WASHER, lock, armature terminal		
H-1	H001-7025621		(AL-12X-196)		1–WASHER, field terminal		
H-1	H001-7025621		(AL-12X-196)		1–WASHER, ground screw)		
	G136-0183025		A285133 (AL-XZ-698)	A285133	CONDENSER, .1 mfd., radio suppression, battery charging generator	1	
H-1	H001-4135681		(AL-8X-173)		NUT, hex., No. 10-32, battery charging generator condenser mounting screw	1	
H-1	H101-0132100		(AL-8X-870)		SCREW, fil-hd., No. 10-32 x $\frac{5}{16}$, battery charging generator, condenser mounting	1	
			(AL-X-2901)		WASHER, shakeproof, S., cd-pltd., No. 10 battery charging generator condenser mounting screw	1	
	2980-XA-700	06-2	(AL-XA-700)		CONNECTOR, battery charging generator armature terminal to circuit breaker	1	
	G104-1540171		A284810	A284810	COVER, battery charging generator terminal box	1	
H-1	H001-1026070		100711		SCREW, mach., fil-hd., No. 8-32NF-2 x $\frac{3}{8}$	4	
H-1	H001-1518004		106496		WASHER, lock, No. 8 (.164) x $\frac{3}{64}$ x $\frac{3}{64}$	4	
		06-2	(AL-GDJ-62-A)		COVER, generator, front bearing, battery charging generator	1	
	G104-1593838		(AL-GDJ-27)		GASKET, battery charging generator commutator end cover	1	
	G104-2382186		(AL-GFM-4-B)		SCREW, battery charging generator, commutator end cover to frame (fil-hd., No. 10-32 x $\frac{1}{2}$)	4	
H-1	H001-7025621		(AL-12X-106)		WASHER, lock, No. 10, battery charging generator drive end bearing, retainer screw	4	
		06-2	(AL-XA-703)		ELBOW, generator terminal on battery charging	1	

	G134-0196300	01-2,3	B249017 (AL-GDJ-4824-A)		GENERATOR, battery charging, assembly (interchangeable with D67368-A)	1	
H-1	H001-0718021		218563 (HM-1124-A)		NUT, hex., 5/8-18NF-2	2	
H-1	H001-1013325		215923 (HM-11692-A)		SCREW, cap, hex-hd., S., 5/8-18NC-2 x 2 5/8	2	
H-1	H001-1518013		103325 (HM-1126-A)		WASHER, lock, reg., S., 5/8	2	
		06-2	(AL-GDJ-152)		HEAD, generator, drive end, hull mounted battery charging generator	1	
H-1	H101-0133645		(AL-8X-1713)		SCREW, fl-hd., No. 10-32 x 1, battery charging generator, drive end head to frame	6	
			(AL-GBG-162)		HOUSING, battery charging generator	1	
	G067-0903469	06-2	(AL-GDJ-66)		INSULATION, for coils of battery charging generator	1	
H-4	H004-0303062		A213567-D (AL-XA-702)	A213567	NUT, brass, 1 3/16 in. x 18NS-2 x 3/16 thk., battery charging generator terminal box elbow	1	
	G104-1714527		(AL-X-1942)		NUT, elastic stop, hex., 5/16-24, battery charging generator armature lead terminal	1	
	G104-1714513		(AL-365-1032)		NUT, elastic stop, hex., No. 10-32, battery charging generator field terminal	1	
	G067-0904010		(AL-X-489)		OILER, 1/4, battery charging generator hinge top (press in type) (1) used on commutator end (1) used on drive end	2	
	2980-GDJ-2133	06-2	(AL-GDJ-2133)		PLATE (head, assembly) end, commutator end, battery charging generator	1	
		06-2	(AL-8X-933)		SCREW, attaching battery charging generator commutator end plate to housing	6	
			(AL-GBJ-29)		POLE, piece, battery charging generator	4	
	2980-SP-724	06-2	(AL-SP-724)		PULLEY, 6 1/2 O.D., drive, battery charging genreator (used on M-8 serial numbers 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	1	
H-1	H001-4185760		114498 (AL-X-1178)		NUT, plain, light, jam, class No. 2 5/8-18NF-2	1	
	G104-2389420		(AL-GFR-56)		SPACER, .875 x 1.300 x .4555, battery charging generator, armature shaft, drive end	1	
H-1	H001-1530013		103345 (AL-X-1134)		WASHER, plain, 5/8, battery charging generator armature shaft (used on M-8 serial numbers 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	1	
H-1	H001-1519015		(AL-X-1177)		WASHER, shakeproof, 5/8, battery charging generator armature shaft (used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	1	
	G136-0382034		(HM-11705-A)		SCREW, battery charging generator, mounting bracket brace (cap, hex-hd., S., 1/2-13NC-2 x 3 5/16) (replaced by HM-4118-A)	2	
H-1	H001-1013325		215923 (HM-11692-A)		SCREW, cap, hex-hd., S., 5/8-18NC-2 x 2 5/8 (battery charging generator mounting bracket hinge)	2	
H-1	H101-190924		(AL-8X-22887)		SCREW, flt. hd., 3/8-24 x 5/8, battery charging generator bracket	1	
H-1	H101-0225894		(AL-8X-1653)		SCREW, flt. hd., No. 10-32 x 11/16, battery charging generator, commutator end head to frame (used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	6	

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR (AUTOLITE) (Cont'd)		
H-1	H001-5027111		213922 (AL-6X465)		SCREW, hex-hd., 3/8-24NF-2 x 3/4 (battery charging generator mounting bracket) (supersedes AL-8X-813)	5	
	G101-185059		(AL-8X-813)		SCREW, battery charging generator bracket (hex-hd., 3/8-24 x 11/16)	5	
H-1	H001-5125831		131963		SCREW, mach., No. 8-32NF-2 x 3/8 (battery charging generator terminal box cover)	4	
H-1	H001-5147511		122159 (AL-8X-305)		SCREW, rd-hd., No. 8-32x 1/4 (battery charging generator brush lead) (used on M-8 serial number 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	4	
H-1	H001-5147511		122159 (AL-8X-305)		SCREW, rd-hd., No. 8-32 x 1/4 (battery charging generator shield, cover) (used on M-8 numbers 8283 to 9490 and all serial numbers above 9978. M-20 above serial number 2213)	4	
H-1	H001-1548871		(AL-8X-316)		SCREW, rd-hd., No. 10-32 x 3/4 (battery charging generator, circuit breaker mounting) (used on M-8 number 8283 to 9490 and all numbers above 9978. M-20 above serial number 2213)	2	
	G104-1842891		(AL-GDJ-24)		SEAL, oil, felt, battery charging generator bearing, commutator end (1 9/64 x 2 3/64).	1	
		01-3,4 06-2	(AL-GDJ-2142)		SHIELD, generator terminal, battery charging generator, assembly	1	
	G170-0382020		(AL-GFM-4-A)		SCREW, fil-hd., No. 10-32 x 3/8, battery charging generator, terminal shield	4	
			(AL-X-2901)		WASHER, shakeproof, S., cd-pltd., No. 10 (battery charging generator)	4	
	G067-0905370	06-2	(AL-GBG-49)		SPACER, battery charging generator armature shaft, commutator end (.985 x 1.300 x .439)	1	
	G104-1781822		(AL-DA-60)		SCREW, battery charging generator, commutator end bearing oil seal retainer (hex-hd. 1/4-28 x 5/8)	1	
	G104-1842756		(AL-GBG-66)		WASHER, battery charging generator, commutator end bearing retainer screw (.254 x 1 5/16 x .065)	1	
H-1	H001-7018681		121637 (AL-12X-199)		WASHER, lock, 1/4, battery charging generator commutator end bearing retainer screw	1	
	G067-0905370		(AL-GBG-49)		SPACER, battery charging generator, armature shaft, drive end (.985 x 1.300 x .439)	1	
	G104-1515747		(AL-GBG-24-B)		STRAP, cover, battery charging generator commutator window	1	
H-1	H001-4139681		(AL-8X-794)		NUT, sq., No. 10-32, battery charging generator commutator window cover screw	1	
	G104-1781846		(AL-GFM-4)		SCREW, fil-hd., No. 10-32 x 1 1/4, battery charging generator commutator cover strap (used on M-20 serial numbers above 2213)	1	
	G156-0398801	06-2	(AL-X-1425)		TERMINAL, coils, battery charging generator	2	
H-1	H001-7025711	06-2	(AL-12X-1014)		WASHER, battery charging generator armature terminal	1	
	G154-0443019		(AL-12X-201)		WASHER, lock, 3/8, battery charging generator mounting bracket screw	5	

H-1	H001-1518013		103325 (HM-1126-A)		WASHER, lock, 5/8, battery charging generator mounting bracket hinge screw	2
H-1	H001-7021651		(AL-12X-195)		WASHER, lock, No. 8, battery charging generator, shield cover screw	4
	G104-1767644		(AL-GCE-40)		WASHER, retaining, battery charging generator commutator end bearing oil seal (1.390 x 2.045 x .020)	1
	G104-1842900		(AL-GDJ-23)		WASHER, spring, battery charging generator commutator end	1
	2980-GT-124		(AL-GT-124)		WICK, felt, 1/4 x 1/4, battery charging generator drive end	1
					0601—GENERATOR, HULL MOUNTED (AUTOLITE)	
	2980-GDJ-2062-F	02-2	(AL-GDJ-2062-F)		ARMATURE, hull mounted battery charging generator, assembly	1
H-12	H012-1384025	06-2	(AL-X-1709)		BEARING, ball, sealed, hull mounted battery charging generator commutator end, SAE 205	1
H-12	H012-1321025	06-2	(AL-X-1699)		BEARING, ball, SAE 305, shielded, hull mounted battery charging generator drive end	1
	G067-7002820	06-2	(AL-GBG-50)		GASKET, hull mounted battery charging generator bearing retainer, drive end	1
	G160-0367690	06-2	(AL-GBG-56)		RETAINER, generator oil seal rear, hull mounted battery charging generator	1
	2980-GBG-57-A	06-2	(AL-GBG-57-A)		RETAINER, hull mounted battery charging generator bearing oil seal drive end	2
	G104-2382186	06-2	(AL-GFM-4-B)		SCREW, hull mounted battery charging generator drive end bearing retainer (fil-hd., No. 10-32 x 1/2)	4
	G067-0906680	06-2	(AL-GBG-58)		SEAL, oil, felt, hull mounted battery charging generator, bearing (1 19/64 x 1 13/16 x 3/16 drive end)	2
H-1	H001-7025621	06-2	(AL-12X-196)		WASHER, lock, No. 10, hull mounted battery charging generator drive end bearing retainer screw	4
	G176-5284447		A284447	A284447	BELT, drive, hull mounted battery charging generator	1
H-1	H001-0116341		223738		BOLT, hex-hd., s-fin., alloy-S., 5/8-18NF-2 x 2 (hull mounted battery charging generator)	12
H-1	H001-0116279		223627		BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 1 1/2 (hull mounted battery charging generator adjusting strap to bracket)	1
H-1	H001-0116249		223610		BOLT, hex-hd., s-fin., alloy-S., 7/16-20NF-2 x 1 1/4 (hull mounted battery charging generator to adjusting strap)	1
		06-2	(AL-XA-716)		BREAKER, circuit, hull mounted battery charging generator	1
H-1	H001-4135681		(AL-8X-173)		NUT, hex., No. 10-32 (hull mounted battery charging generator circuit breaker mounting)	2
			(AL-8X-1151)		SCREW, rd-hd., No. 10-32 x 13/16 (hull mounted battery charging generator circuit breaker mounting)	2
H-1	H001-7025621		(AL-12X-196)		WASHER, lock, No. 10 (hull mounted battery charging generator circuit breaker mounting)	2
	G067-0900665	06-2	(AL-GDJ-2012-S)		BRUSH SET, hull mounted battery charging generator	1
	G104-1510323	06-2	(AL-GBY-34)		HOLDER, brush, hull mounted battery charging generator, assembly	4
	G104-1789657	06-2	(AL-GCE-53)		SPRING, hull mounted battery charging generator brush	4
H-1	H001-7021651		(AL-12X-195)		WASHER, lock, No. 8, hull mounted battery charging generator brush lead	4

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR, HULL MOUNTED (AUTOLITE) (Cont'd)		
	G136-0183025	06-2	A285133 (AL-XA-698)	A285133	CONDENSER, .1 mfd., radio suppression, hull mounted battery charging generator	1	
H-1	H001-4135681	06-2	(AL-8X-173)		NUT, hex., No. 10-32 (hull mounted battery charging generator condenser mounting screw)	1	
H-1	H101-0132100	06-2	(AL-8X-870)		SCREW, fil-hd., No. 10-32 x 5/16 (hull mounted battery charging generator condenser mounting)	1	
			(AL-X-2901)		WASHER, shakeproof, S., cd-pltd., No. 10 (hull mounted battery charging condenser mounting screw)	1	
	2980-XA-700	06-2	(AL-XA-700)		CONNECTOR, hull mounted battery charging generator, armature terminal to circuit breaker	1	
		06-2	(AL-GDJ-63-A)		COVER, generator, front bearing, hull mounted battery charging generator	1	
	G104-1593838	06-2	(AL-GDJ-27)		GASKET, hull mounted battery charging generator commutator end cover	1	
	G104-2382186	06-2	(AL-GFM-4-B)		SCREW, hull mounted battery charging generator drive end bearing retainer (fil-hd., No. 10-32 x 1/2)	4	
H-1	H001-7025621		(AL-12X-196)		WASHER, lock, No. 10, hull mounted battery charging generator drive end bearing retainer screw	4	
		06-2	(AL-GDJ-1141)		COVER, junction box, hull mounted battery charging generator	1	
H-1	H001-5147511	06-2	(AL-8X-305)		SCREW, attaching, rd-hd., No. 8-32 x 1/2 (hull mounted battery charging generator shield cover)	4	
H-1	H101-0178362		(AL-X-2885)		WASHER, lock, S., cd-pltd., No. 8 (hull mounted battery charging generator shield cover)	4	
		06-2	(AL-XA-703)		ELBOW, generator terminal on hull mounted battery charging generator	1	
	2980-KIT-122	06-2	(AL-KIT-122)		FIELD COIL SET, hull mounted battery charging generator	1	
					(Consists of:		
			(AL-GDJ-14)		1–BUSHING		
			(AL-GDJ-15)		1–BUSHING, armature terminal insulatory field		
			(AL-GDJ-1005-A)		1–COIL, field, assembly		
	G067-0901750		(AL-GDJ-1007)		1–COIL, upper left		
	G067-0901730		(AL-GDJ-1008)		1–COIL, lower left		
	G067-9001740		(AL-GDJ-1009)		1–COIL, lower right		
			(AL-GDJ-1010-A)		1–COIL, upper right		
	G067-9003420		(AL-GBG-30)		1–INSULATOR, field connection		
			(AL-GDJ-18)		1–INSULATOR, field terminal		
	G067-9003469		(AL-GDJ-66)		1–INSULATOR, terminal stud		
	2980-GDJ-150		(AL-GDJ-150)		1–LEAD, assembly		
H-1	H001-4135681		(AL-8X-1377)		1–NUT, field terminal		
H-1	H001-4167561		(AL-8X-1376)		1–NUT, hex., armature terminal		
H-1	H001-5148821		(AL-8X-321)		1–SCREW, round head, ground		

	G067-0904940		(AL-GBG-38)		8–SCREW, pole	
	2980-GDJ-151		(AL-GDJ-151)		1–STUD, armature on terminal	
	G156-0342415		(AL-GBW-58)		1–STUD, field terminal	
	G156-0398801		(AL-X-1425)		1–TERMINAL	
	G067-0800462		(AL-8X-183-A)		1–WASHER, field terminal insulator	
			(AL-GBF-55)		1–WASHER, field terminal insulator	
			(AL-MU-36-A)		1–WASHER, armature terminal	
H-1	H001-7043711		(AL-MU-37)		1–WASHER, plain, armature terminal	
H-1	H001-7025711		(AL-12X-1014)		1–WASHER, lock	
H-1	H001-7025621		(AL-12X-196)		1–WASHER, field terminal	
H-1	H001-7025621		(AL-12X-196)		1–WASHER, ground screw)	
	G134-0196300	06-2	B249017 (AL-GDJ-4824-A)	B249017	GENERATOR, hull mounted battery charging generator	1
		06-2	(AL-GDJ-152)		HEAD, generator, drive end, hull mounted battery charging generator (part of GDJ-4824-A)	1
H-1	H101-0133645		(AL-8X-1713)		SCREW, fl-hd., No. 10-32 x 1 (hull mounted battery charging generator drive end head, attaching)	6
			(AL-GBG-162)		HOUSING, hull mounted battery charging generator	1
	G067-0903469	06-2	(AL-GDJ-66)		INSULATION, for coils of hull mounted battery charging generator	1
	G136-0232830		A283899	A283899	INSULATOR, hull mounted battery charging generator stabilizer	1
	G136-0232825		A283897	A283897	INSULATOR, hull mounted battery charging generator stabilizer	1
H-4	H004-0303062	06-2	A213567-D (AL-XA-702)	A213567	NUT, brass, 1 3/16 x 18NX-2 x 3/16 thk. (hull mounted battery charging generator terminal box elbow)	1
	G104-1714527	06-2	(AL-X-1942)		NUT, elastic stop, hex , hull mounted battery charging generator armature lead terminal (5/16-24)	1
	G104-1714513	06-2	(AL-365-1032)		NUT, elastic stop, hex., No. 10, hull mounted battery charging generator field terminal	1
H-1	H001-0718025		218571		NUT, reg., hex., s-fin., S., 1/2-20NF-2 (hull mounted battery charging generator adjusting strap to bracket, attaching bolt)	1
H-1	H001-0718024		218570		NUT, reg., hex., s-fin., S., 7/16-20NF-2 (hull mounted battery charging generator to adjusting strap, attaching bolt)	1
H-1	H001-0718027		218196		NUT, reg., hex., s-fin., S., 5/8-18NF-2 (hull mounted battery charging generator, attaching bolt)	2
	G067-0904010	06-2	(AL-X-489)		OILER, 1/4, hull mounted battery charging generator, hinge top press in type	2
	2980-GDJ-2133	06-2	(AL-GDJ-2133)		PLATE, (head, assembly), end, commutator end, hull mounted battery charging generator	1
		06-2	(AL-8X-933)		SCREW, attaching, hull mounted battery charging generator, commutator end plate to housing	6

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0601—GENERATOR, HULL MOUNTED (AUTOLITE) (Cont'd)		
			(AL-GBJ-29)		POLE, piece, hull mounted battery charging generator	4	
	2980-SP-724	06-2	(AL-SP-724)		PULLEY, drive, hull mounted battery charging generator (6½ O.D.)	1	
H-1	H001-4185760	06-2	114498 (AL-X-1178)		NUT, plain, light, jam, No. 2-58-18NF-2	1	
	G104-2389420	06-2	(AL-GFR-56)		SPACER, hull mounted battery charging generator drive end armature shaft (.875 x 1.300 x .4555)	1	
H-1	H001-7043861	06-2	(AL-X-1134)		WASHER, pulley end, S., .525 I.D. x 1¼ O.D. x .1196 thk. (hull mounted battery charging generator)	1	
H-1	H001-1519015	06-2	(AL-X-1177)		WASHER, shakeproof, ⅝, hull mounted battery charging generator armature shaft	1	
H-1	H001-5147511		(AL-8X-305)		SCREW, rd-hd., No. 8-32 x ¼ (hull mounted battery charging generator brush lead)	4	
	G104-1842891	06-2	(AL-GDJ-24)		SEAL, oil, felt, hull mounted battery charging generator bearing commutator end ($1\frac{19}{64}$ x $2\frac{3}{64}$ x $\frac{3}{16}$)	1	
		01-3,4 06-2	(AL-GDJ-2142)		SHIELD, generator terminal, hull mounted battery charging generator, assembly	1	
	G170-0382020	06-2	(AL-GFM-4-A)		SCREW, fil-hd., hull mounted battery charging generator terminal shield, attaching (No. 10-32 x ⅜)	4	
			(AL-X-2901)		WASHER, shakeproof, S., cd-pltd., No. 10 (hull mounted battery charging shield)	4	
	G156-0389436	06-2	(AL-GBG-49)		SPACER, hull mounted battery charging armature shaft, drive end (.985 x 1.300 x .439)	1	
	G067-0905370	06-2	(AL-GBG-49)		SPACER, hull mounted battery charging generator armature shaft, commutator end (.985 x 1.300 x .439)	1	
	G104-1781822	06-2	(AL-DA-60)		SCREW, hex-hd., hull mounted battery charging generator commutator end bearing seal retainer (1.4, 28 x ⅝)	1	
	G104-1842756	06-2	(AL-GBG-66)		WASHER, hull mounted battery charging generator commutator end bearing retainer (.254 x $1\frac{5}{16}$ x .065)	1	
H-1	H001-7018681	06-2	(AL-12X-199)		WASHER, lock, ¼, hull mounted battery charging generator bearing retainer screw commutator end	1	
	G176-6248981		B248981	B248981	STABILIZER, hull mounted battery charging generator, assembly	1	
	G176-6248978		B248978	B248978	STRAP, adjusting, hull mounted battery charging generator	1	
	G104-1515747	06-2	(AL-GBG-24-B)		STRAP, cover, hull mounted battery charging generator commutator window	1	
H-1	H001-4139681	06-2	(AL-8X-794)		NUT, sq., No. 10-32, hull mounted battery charging generator commutator window cover screw	1	
	G104-1781846	06-2	(AL-GFM-4)		SCREW, fil-hd., hull mounted battery charging generator commutator cover strap (No. 10-32 x 1¼)	1	

	G136-5284456		A284456	A284456	STRAP, ground, hull mounted battery charging generator, assembly	2
		06-2	(AL-GDJ-149)		SUPPORT, hull mounted battery charging generator	1
	G101-185059	06-2	(AL-8X-813)		SCREW, hex-hd., 3/8-24 x 11/16, hull mounted battery charging generator bracket	5
H-1	H101-190924	06-2	(AL-8X-2887)		SCREW, flt, hd., 3/8-24 x 5/8 (hull mounted battery charging generator bracket)	1
	G154-0443019	06-2	(AL-12X-201)		WASHER, lock, 3/8, hull mounted battery charging generator mounting bracket screw	5
	G156-0398801	06-2	(AL-X-1425)		TERMINAL, coil, hull mounted battery charging generator	2
H-1	H001-7025711	06-2	(AL-12X-1014)		WASHER, hull mounted battery charging generator armature terminal	1
	G104-1767644	06-2	(AL-GCE-40)		WASHER, hull mounted battery charging generator commutator end, bearing oil seal (1.390 x 2.045 x .020)	1
H-1	H001-1518013		103345		WASHER, lock, reg., S., 5/8 (.655 I.D. x 1.062 O.D. x 5/32 thk.) (hull mounted battery charging generator, attaching bolt)	2
H-1	H001-1518010		103322		WASHER, lock, reg., S., 7/16 (.453 I.D. x .767 O.D. x 1/8 thk.) (hull mounted battery charging generator adjusting strap, attaching bolt)	1
H-1	H001-1518011		103323		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thk.) (hull mounted battery charging generator adjusting strap to bracket, attaching bolt)	1
	G104-1842900	06-2	(AL-GDJ-23)		WASHER, spring, hull mounted battery charging generator commutator end	1
	2980-GT-124	06-2	(AL-GT-124)		WICK, felt, hull mounted battery charging generator drive end (1/4 x 1 1/4)	1
					0602—REGULATOR, GENERATOR, ASSEMBLY	
					(1st type used on M-8 serial numbers 1 to 779 odd, 2 to 1000 even)	
	G502-0435653		(AL-KIT-29)		KIT, repair, generator regulator, voltage regulator (used for GENERATOR C118349) (used on M-8 even numbers 2 to 1000, odd numbers 1 through 779) (Consists of:	1
	G502-0139953		(AL-VRH-1080)		1–ARMATURE, w/CONTACT, assembly	
	G067-0903910		(AL-VRA-15)		1–NUT, adjusting	
	G067-0904830		(AL-VRA-16)		1–SCREW, adjusting	
			(AL-8X-878)		2–SCREW, adjusting	
	G067-0905600		(AL-VRA-84)		1–SPRING, armature	
H-1	H001-1518004		(AL-X-195)		2–WASHER, lock, No. 8	
H-1	H001-1530004		(AL-8X-350)		1–WASHER, plain, No. 8)	
	G067-3261100		(AL-KIT-28)		KIT, repair, generator regulator, current regulator (used for C118349 GENERATOR regulator) (used on M-8 even numbers through 1000; odd numbers through 799 and all M-20 numbers through 115)	1
					(Consists of:	
	G502-0139954		(AL-VRH-1061)		1–ARMATURE, w/CONTACT	
	G067-0903910		(AL-VRA-15)		1–NUT	
	G067-0904830		(AL-VRA-16)		1–SCREW	
			(AL-8X-878)		2–SCREW	
	G067-0905420		(AL-VRA-17)		1–SPRING	
H-1	H001-1518004		(AL-X-195)		2–WASHER	
H-1	H001-1530004		(AL-8X-350)		2–WASHER)	

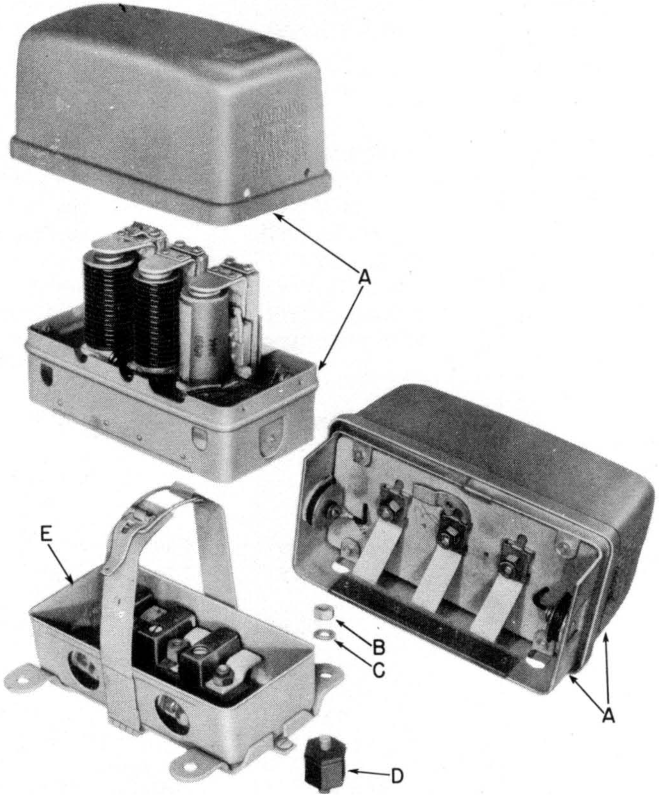
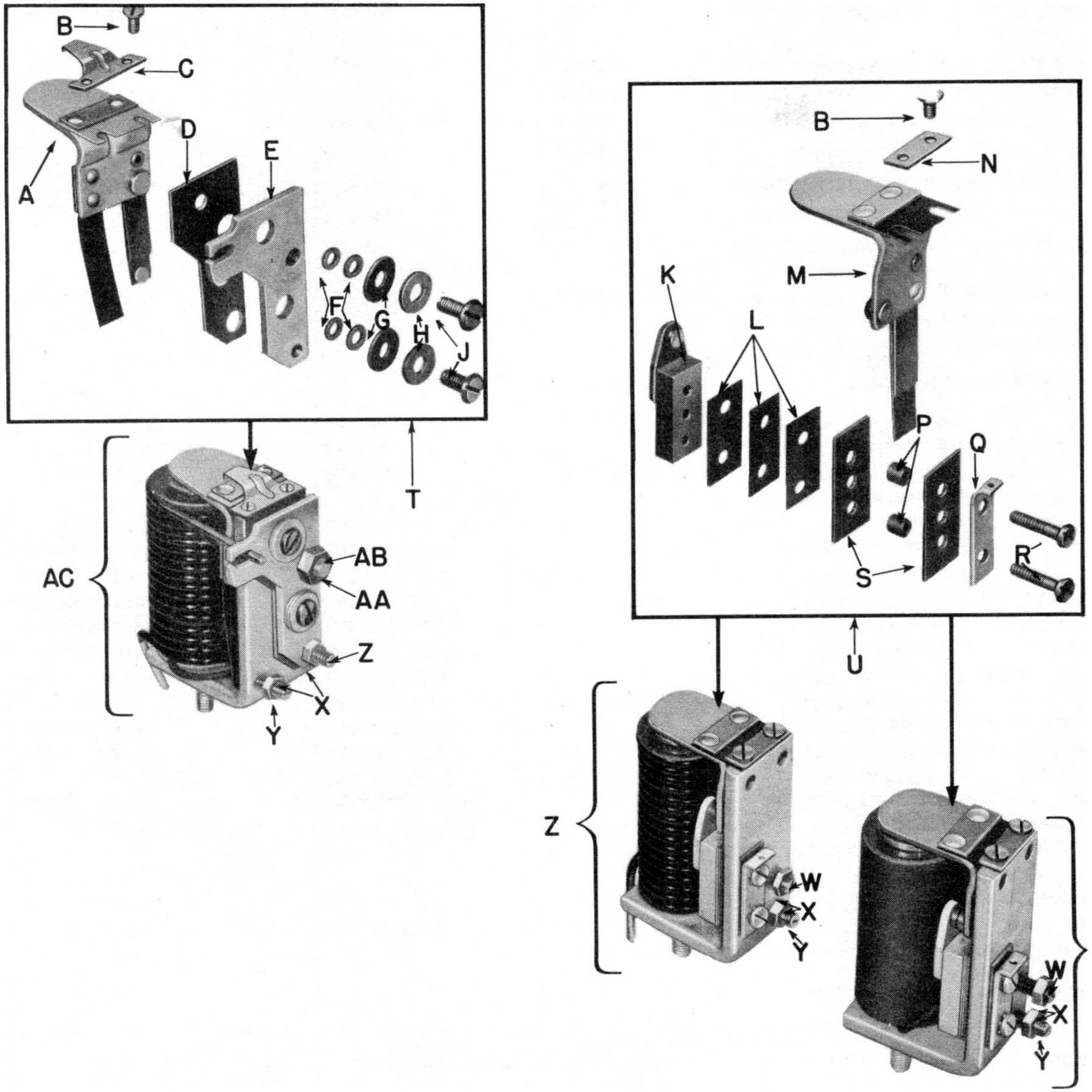


FIGURE 06-4—VOLTAGE REGULATOR AND ATTACHING PARTS (C118073)

Key	Item	Part No.	Group No.
A	REGULATOR UNIT (Part of C118073)	D67405	0602
B	NUT	218564	0602
C	WASHER	103320	0602
D	CUSHION	A245203-C	0602
E	BASE, terminal	C118345	0602

RA PD 28834C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0602—REGULATOR, GENERATOR, ASSEMBLY (Cont'd)		
					(First type used on M-8 serial numbers 1 to 779 odd; 2 to 1000 even)		
	G502-0125960		(AL-KIT-27)		KIT, repair, generator regulator, cut-out relay (used for C118349 regulator) (used on M-8 even numbers through 1000; odd numbers through 779 and all M-20 numbers through 115)	1	
					(Consists of:		
	2980-VRY-1043		(AL-VRY-1043)		1–ARMATURE, circuit breaker, w/CONTACT, assembly		
	G154-0392749		(AL-VRH-1073)		1–BRACKET, contact, stationary bracket, circuit breaker		
			(AL-VRA-23)		1–INSULATION, circuit breaker		
	G067-0903910		(AL-VRA-15)		1–NUT, circuit breaker adjusting screw		
	G067-0904830		(AL-VRA-16)		1–SCREW, adjusting, circuit breaker		
			(AL-8X-878)		2–SCREW, circuit breaker		
H-1	H001-5125821		(AL-8X-888)		2–SCREW, circuit breaker		
	G067-0905420		(AL-VRA-17)		1–SPRING, circuit breaker armature		
	G067-0903390		(AL-GAA-35)		2–WASHER, circuit breaker screw		
H-1	H001-1518004		(AL-X-195)		3–WASHER, circuit breaker screw		
H-1	H001-1530004		(AL-8X-350)		3–WASHER, circuit breaker		
	G067-0906490		(AL-X-1465)		2–WASHER, insulating circuit breaker)		
	G136-0367413		C118349 (AL-VRH-4101-C)		REGULATOR, generator, assembly (first type) (used on M-8 odd numbers 1 to 779; even numbers 2 to 1000; and M-20 serial numbers 1 through 115)	1	
	G166-0143630		A245203-C	A245203	CUSHION, moulded rubber, regulator mounting	4	
H-1	H001-0718022		218564		NUT, reg., hex., s-fin., S., 5⁄16-24NF-2	4	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5⁄16 (.328 I.D. x .578 O.D. x 1⁄16 thk.)	4	
					0602—REGULATOR, GENERATOR, ASSEMBLY		
					(Second type used on M-8 above odd numbers 779, even numbers above 1000. Also used with hull mounted battery charging generator).		
	G136-0110526		A283485 (FM-19B-10551-B)	A283485	ARMATURE, generator regulator adjusting regulating unit and current control, assembly	2	
	G136-0342345		A284949	A284949	ARMATURE, generator regulator cutout unit, assembly	1	
	G136-5618345	06-4	C118345	C118345	BASE, generator regulator, assembly	1	
	G136-0128016		A284787	A284787	BUSHING, insulating, fabric, generator regulator, resistor	2	
	G136-5284311		A284311	A284311	CONDENSER, .25 mfd., generator regulator, battery and armature terminals	2	
	G136-0140065		A285140	A285140	CONNECTOR, generator regulator resistor to field coil lead terminal	1	
	G136-0152019		A284814	A284814	DISC, generator, regulator current limiter magnet end	4	
	G136-0152018		A283529 (FM-19B-10512)	A283529	DISC, generator regulator cutout series coil	2	
	G136-0232829		A284791	A284791	INSULATOR, fabric, generator regulator cutout contact support	1	



RA PD 28833

FIGURE 06-5—VOLTAGE REGULATOR SERVICE PARTS

Key	Item	Part No.	Group No.
A	ARMATURE............... (Part of KIT A284552)	A284949	0602
B	SCREW.................. (Part of KIT A284553)	B246989-A	0602
C	STOP................... (Part of KIT A284552)	A284792	0602
D	INSULATOR.............. (Part of KIT A284552)	A284791	0602
E	SUPPORT................	A284819	0602
F	INSULATOR.............. (Part of KIT A284552)	A283201	0602
G	WASHER.................	A283476	0602
H	WASHER................. (Part of KIT A284551)	103338	0602
J	SCREW..................	A284929	0602
K	POST, w/POINT.......... (Part of KIT A284553)	A284325	0602
L	SHIM...................	A284559	0602
M	ARMATURE............... (Part of KIT A284553)	A283485	0602
N	PLATE.................. (Part of KIT A284553)	A283487	0602
P	BUSHING................ (Part of KIT A284553)	A283474	0602
Q	PLATE..................	A284794	0602
R	SCREW.................. (Part of KIT A284553)	B246989-B	0602
S	INSULATOR.............. (Part of KIT A284553)	A284789	0602
T	(See KIT A284552)..........	A284552	0602
U	(See KIT A284553)..........	A284553	0602
V	UNIT................... (Part of KIT A284551)	A284950	0602
W	SCREW.................. (Part of KIT A284553)	A284815-D	0602
X	NUT.................... (Part of KIT A284553)	A284931-B	0602
Y	SCREW.................. (Part of KIT A284553)	A284815-C	0602
Z	UNIT................... (Part of KIT A284551)	A284954	0602
AA	SCREW.................. (Part of KIT A284552)	A283467	0602
AB	NUT....................	219701	0602
AC	UNIT................... (Part of KIT A284551)	A284948	0602

RA PD 28833C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAWG NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0602—REGULATOR, GENERATOR, ASSEMBLY (Cont'd)		
	G136-0232826		A283201 (FM-81A-10589)	A283201	INSULATOR, generator regulator adjusting cutout unit	2	
	G136-0232828		A284789	A284789	INSULATOR, generator regulator contact post	6	
	G136-5284551	06-5	A284551	A284551	KIT, major overhaul, generator regulator (used for C118073 regulator) (used on M-8 above even numbers 1000; odd numbers above 779 and all M-20 above 115)	1	
					(Consists of:		
	G166-0125799		A284448	A284448	9–BRACKET		
			A285135	A285135	3–CONNECTOR		
H-1	H001-0725640		503338		9–NUT, safety		
	G136-0367615		A284947-A	A284947	6–RESISTOR (18 ohm)		
			B246989-D	B246989	12–SCREW, w/lock WASHER, assembly		
	G136-0382083		A330190	A330190	9–SCREW, w/lock WASHER, assembly		
			A284341	A284341	12–SCREW, cover to adapter		
	G166-5284449		A284449	A284449	6–SPACER		
	G166-0398796		A284940	A284940	6–TERMINAL, No. 10 soldering		
	G166-5284246		A284246	A284246	9–TERMINAL, assembly		
			A284331	A284331	3–TERMINAL		
	G136-0419500		A284948	A284948	1–UNIT, cutout		
	G136-0276476		A284954	A284954	1–UNIT, current control		
	G136-0419501		A284950	A284950	1–UNIT, voltage regulator		
	G136-0443062		A283465	A283465	6–WASHER, resistor		
H-1	H001-1530005		103338		9–WASHER		
H-1	H001-1530007		103339		9–WASHER, steel		
	G166-5283542		A283542	A283542	12–WIRE, sealing		
	22W-1642100				12–WIRE, lock)		
	G136-5284552	06-5	A284552	A284552	KIT, repair, generator regulator cutout relay (used for C118073 regulator) (used on M-8 even numbers above 1000; odd numbers above 779 and all M-20 above serial numbers 115)	1	
					(Consists of:		
	G136-0342345		A284949	A284949	1–ARMATURE, cutout, assembly		
	G136-0232826		A283201	A283201	4–INSULATOR, cutout, assembly		
	G136-0232829		A284791	A284791	1–INSULATOR, contact support		
	G136-0443063		A283476	A283476	2–INSULATOR, washer		
H-1	H001-1530001		221415		1–NUT, special		
	G136-7007257		A284931-B	A284931	3–NUT, hex.		
	G136-0314841		A284931-A	A284931	3–NUT, hex.		
	G136-0382075		A283467	A283467	1–SCREW, cutout main contact		

GROUP 06—ELECTRICAL

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0602—REGULATOR, GENERATOR, ASSEMBLY (Cont'd)		
			A283464-A	A283464	1–SCREW, cutout auxiliary contact		
			A246989-A	A246989	2–SCREW		
	G136-0382083		A330190	A330190	2–SCREW		
	G136-7034953		A283464-B	A283464	1–SCREW, cutout auxiliary contact		
	G166-5284792		A284792	A284792	1–STOP, cutout armature plate		
H-1	H001-1530007		103339		2–WASHER, steel		
	G166-5283542		A283542	A283542	1–WIRE, seal		
	22W-1642100				1–WIRE, lock)		
	G136-5284553	06-5	A284553	A284553	KIT, repair, generator regulator current and voltage regulator (used for C118073 regulator) (used on M-8 even numbers above 1000; odd numbers above 779 and all M-20 above numbers 115)	2	
					(Consists of:		
	G136-0110526		A283485	A283485	1–ARMATURE, regulator, assembly		
	G134-0127657		A283474	A283474	2–BUSHING, regulator contact post screw		
	G136-0232828		A284789	A284789	2–INSULATOR, contact post to frame		
	G136-0314841		A284931	A284931	2–NUT, lock		
	G136-7007257		A284931-B	A284931	2–NUT		
	3320-19B-10555		A283487	A283487	1–PLATE, armature hinge clamp		
	G166-0342515		A284325	A284325	1–POST, w/contact POINT, assembly		
			B246989-A	B246989	2–SCREW, regulator unit		
			B246989-B	B246989	2–SCREW, regulator unit		
	G136-0382017		A284815-A	A284815	1–SCREW, adjusting, armature		
	G136-0382018		A284815-B	A284815	1–SCREW, adjusting, armature		
	G136-7009098		A284815-C	A284815	1–SCREW		
	G136-7002600		A284815-D	A284815	1–SCREW		
	G136-0340200		A284794	A284794	1–SCREW, plate regulator contact point post		
			A284559	A284559	2–SHIM, contact post		
	22W-1642100				1- WIRE, lock		
	G166-5283542		A283542	A283542	1–WIRE)		
	G136-0276476		A284954	A284954	LIMITER, generator regulator current, assembly	1	
			A284931-B	A284931	NUT, generator regulator cutout unit contact screw, (No. 10-32NF-2)	6	
	G136-0314841		A284931-A (FM-355868-S7-8)	A284931	NUT, generator regulator cutout unit contact screw (S., No. 10-50NF-2)	6	
H-1	H001-0716021	06-5	219701		NUT, jam, ¼ x 28NF-2, s-fin. (shunt terminal box, assembly, voltage regulator)	2	
H-1	H001-0718021		218563		NUT, reg., hex., s-fin., S., ¼-28NF-2 (generator regulator cutout relay contact adjusting screw)	1	
H-1	H001-0725640		503338		NUT, safety, S. (elastic stop nut type-NF) ¼-28NF-2 (regulator unit to base plate)	3	
	G136-0314842		A284938 (FM-355905-S7-S8)	A284938	NUT, special, generator regulator unit (hex., ¼-28NF-3)	3	

	G136-0340200	06-5	A284794 (FM-19B-10539)	A284794	PLATE, generator, regulator adjusting unit, current limiter contact post screw)	2
	G166-0342515		A284325	A284325	POST, generator regulator adjusting, w/POINT, assembly	2
	G166-0367338	06-11	C118073	C118073	REGULATOR, generator, assembly (second type) (used on M-8 number above odd number 779; even numbers above 1000)	1
	G166-0143630	06-4,11	A245203-C	A245203	CUSHION, mounting, generator regulator	4
H-1	H001-0718022	06-4	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2	4
H-1	H001-1518008	06-4	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	4
	G166-0419438	06-4	D67405	D67405	REGULATOR, generator, w/o BASE, assembly	1
	G136-0367615		A284947-A	A284947	RESISTOR, generator carbon regulator terminal base shunt winding (used on M-8 even numbers above 1000; odd numbers above 779 and all M-20 numbers above 115)	2
	G136-0382018		A284815-B	A284815	SCREW, lower adjusting, generator regulator current limiter armature (br., hdls., No. 10-50NS-2 x .62)	3
	G136-0382017		A284815-A	A284815	SCREW, upper adjusting, generator, regulator current limiter armature (br., hdls., No. 10-50NF-2 x .68)	3
	G136-7002600		A284815-D	A284815	SCREW, lower adjusting, generator regulator current limiter armature (br., hdls., No. 10-32NF-2 x .62)	3
	G136-7009098		A284815-C	A284815	SCREW, upper adjusting, generator, regulator current limiter armature (br., hdls., No. 10-32NF-2 x .68)	3
	G136-0382074		A283464	A283464	SCREW, generator regulator cutout auxiliary contact	1
	G136-0382074		A283464-A	A283464	SCREW, generator regulator cutout auxiliary contact (No. 10-50NS-2 x 15/32)	1
			A283464-B	A283464	SCREW, generator regulator cutout auxiliary contact (No. 10-32NF-2 x 15/32)	1
	G136-0382075		A283467 (FM-19B-10609)	A283467	SCREW, generator regulator cutout main contact	1
	G136-0382019		A284341	A284341	SCREW, regulator cover to terminal base (S., No. 8-32NF-2 x 3/8 fl-hd.)	4
	G136-0382020	06-5	A284929	A284929	SCREW, generator regulator cutout unit support binding post (S., No. 10, 32-NF-2 x 7/16)	2
	G136-0382172		B246989-A	B246989	SCREW, generator regulator adjusting units, w/lock WASHER (No. 6-32 x 5/16)	6
	G136-0382170		B246989-B	B246989	SCREW, generator regulator adjusting units, w/lock WASHER (No. 6-32 x 5/8)	6
	G136-0382173		B246989-C	B246989	SCREW, generator regulator ground, w/lock WASHER, (rd., fil-hd., S., lead plate No. 10-24NC-2 x 5/16)	2
	G136-0382174		B246989-D (FM-355024-S7-8)	B246989	SCREW, generator regulator adjusting unit, w/lock WASHER, (No. 10-24NC-2 x 1/2)	6
	G136-0382083		A330190	A330190	SCREW, generator regulator frame to base plate, w/WASHER (fil-hd., No. 10-32NF-2 x 7/16)	3
		06-5	A284559	A284559	SHIM, regulator contact post	2
		06-5	A284819	A284819	SUPPORT, cutout contact regulator	1
	G136-0398795		A283481	A283481	TERMINAL, generator regulator armature	1
	G136-0398794		A283479	A283479	TERMINAL, generator regulator battery lead	3
	G136-0419501		A284950	A284950	UNIT, adjusting, generator regulator, assembly	1
	G136-0419500		A284948	A284948	UNIT, generator regulator adjusting cutout unit, assembly	1
	G136-0443063	06-5	A283476 (FM-19B-10538)	A283476	WASHER, generator regulator adjusting cutout unit screw insulator	2

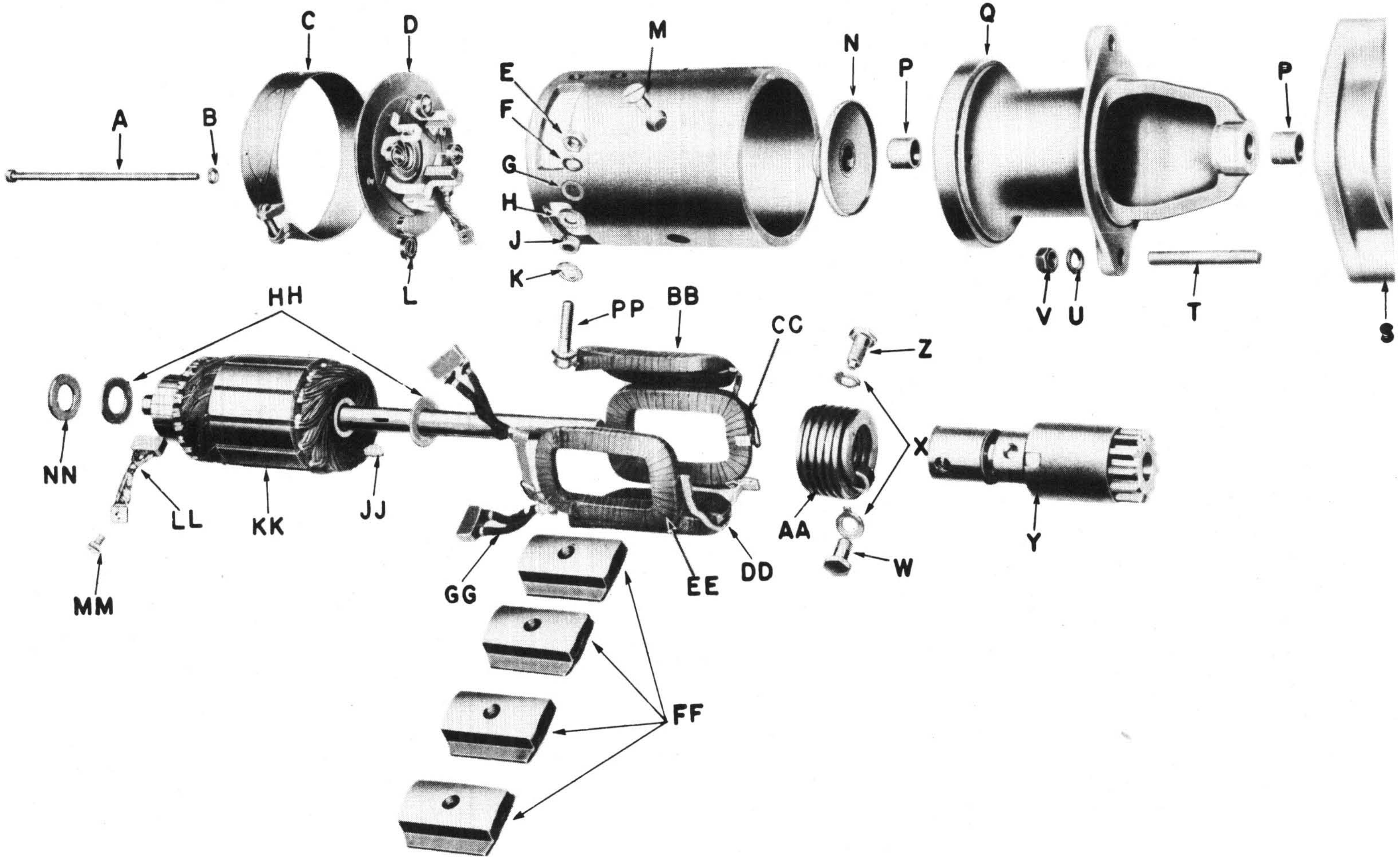

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FIGURE 06-6—ELECTRIC CRANKING MOTOR AND DRIVE ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	BOLT	AL-MW-20-A	0603
B	WASHER	AL-X-199	0603
C	BAND	AL-MAB-1024-F	0603
D	PLATE	AL-MAX-2002	0603
E	NUT	AL-5X-1376	0603
F	WASHER	AL-X-1014	0603
G	WASHER	AL-MU-37	0603
H	WASHER	AL-MAB-31	0603
J	BUSHING	AL-MAB-85	0603
K	WASHER	AL-MAK-80	0603
L	SPRING	B167639	0603
M	SCREW	AL-GK-38	0603
N	BEARING	AL-MAB-2040	0603
P	BEARING	AL-MG-77-A	0603
Q	HOUSING	AL-PS-1209	0603
S	ADAPTER	A-171669	0603
T	STUD	A167658	0603
U	WASHER	103321	0603
V	NUT	218565	0603
W	SCREW	AL-EBA-507	0603
X	WASHER	AL-EB-108	0603
Y	PINION	AL-EBA-5932	0603
Z	SCREW	AL-EB-7806	0603
AA	SPRING	AL-EBA-1205	0603
BB	COIL	AL-MAY-1007-F	0603
CC	COIL	AL-MAY-1009-A	0603
DD	COIL	AL-MAY-1008-A	0603
EE	COIL	AL-MAY-1010	0603
FF	POLE	AL-MAW-29	0603
GG	BRUSH (Part of MAY-2012AS)	AL-MAY-12	0603
HH	WASHER	AL-MU-54	0603
JJ	KEY	AL-X-261	0603
KK	ARMATURE	AL-MAY-2066	0603
LL	BRUSH (Part of MAY-2012AS)	AL-MAW-13	0603
MM	SCREW	AL-8X-61	0603
NN	WASHER	AL-MAK-61	0603
PP	STUD	AL-MAY-34	0603

RA PD 28516C

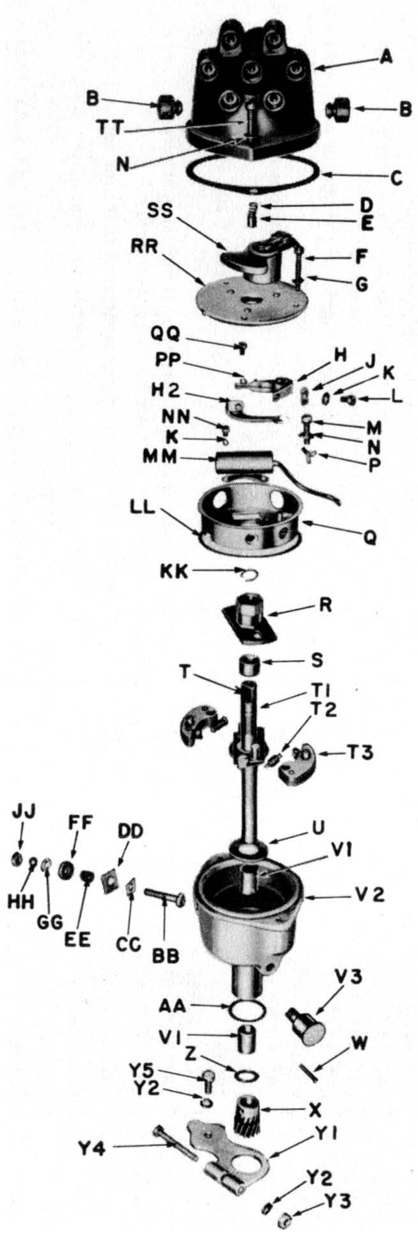
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0602—REGULATOR, GENERATOR, ASSEMBLY (Cont'd)		
	G136-0443062		A283465	A283465	WASHER, locating, generator regulator resistor	2	
H-1	H001-1530003		103337		WASHER, plain, S., SAE std., No. 4 (.112) ($\frac{1}{8}$ in. I.D. x $\frac{5}{16}$ in. O.D. x 1.32 in. thk.) (generator regulator shunt winding resistor to base screw)	2	
H-1	H001-1530005		103338		WASHER, plain, S., SAE std., No. 10 (.190) ($\frac{7}{32}$ in. I.D. x $\frac{1}{2}$ in. O.D. x $\frac{1}{16}$ in. thk.) (generator regulator contact support to frame)	2	
H-9	H009-0102150				WIRE, locking, cover screw (in feet)	A.R.	
	G136-5284502		A284502	A284502	WIRE, regulator to resistor washer	1	
					0603—ENGINE CRANKING MOTOR		
	G136-0110525	06-6	(AL-MAY-2006)		ARMATURE, engine cranking motor, assembly	1	
	G067-0900810	06-6	(AL-MG-77-A)		BEARING, absorbent bronze, engine cranking motor, armature shaft, drive end (.626 x .7535 x .735)	1	
	G067-0900250	06-6	(AL-MAB-2040)		BEARING, engine cranking motor, armature shaft, intermediate	1	
	G121-0382170		(AL-MW-20-A)		BOLT, thru, engine cranking motor frame	2	
	G154-0126261	06-6	(AL-MAY-2012-AS)		BRUSH SET, engine cranking motor	1	
					(Consists of:		
			(AL-MAW-13)		2–BRUSH, insulated		
			(AL-MAY-12)		2–BRUSH, grounded)		
	G067-0900830	06-6	(AL-MAB-85)		BUSHING, insulation, engine cranking motor terminal post ($\frac{21}{64}$ x $\frac{31}{64}$ x $\frac{7}{32}$)	1	
	G154-0139785	06-6	(AL-MAY-1007-F)		COIL, field, engine cranking motor, upper left	1	
	G154-0139787	06-6	(AL-MAY-1009-A)		COIL, field, engine cranking motor, lower left	1	
	G154-0139786	06-6	(AL-MAY-1008-A)		COIL, field, engine cranking motor, lower right	1	
	G154-0139788	06-6	(AL-MAY-1010)		COIL, field, engine cranking motor, upper right	1	
	G067-0905020	06-6	(AL-GK-38)		SCREW, engine cranking motor, pole shoe	4	
	G154-0139937		(AL-MAY-33)		CONNECTOR, engine cranking motor brush	1	
	G502-0139940		(AL-MAX-64)		CONNECTOR, engine cranking motor field coil	2	
	G136-0157184		(AL-EBA-59)		DRIVE, engine cranking motor, assembly	1	
					(Consists of:		
	G136-0336303		(AL-EBA-5932)		1–PINION		
	G136-0369905		(AL-EBA-1233)		1–RING		
	G067-0904880		(AL-EB-7806)		1–SCREW		
	G136-0382031		(AL-EBA-1231)		1–SCREW		
	G136-0382030		(AL-EBA-507)		1–SCREW		
	G136-0389808		(AL-EBA-1213)		1–SPRING		
	G136-0389807		(AL-EBA-1205)		1–SPRING		
	G136-0389809		(AL-EBA-1225)		1–SPRING		
	G067-0906840		(AL-EB-108)		2–WASHER)		

	G104-1733830		(AL-MAD-110)		FELT, 3/4 dia. x 5/32 (used on head assembly)	1
	G136-0188180		(AL-MAY-2118-A)		FRAME, w/field cranking MOTOR, assembly	1
					(Consists of:	
	G121-0126300		(AL-MAW-13)		1–BRUSH	
	G136-0126261		(AL-MAY-12-A)		2–BRUSH	
	G067-0900830		(AL-MAB-85)		1–BUSHING	
	G154-0139787		(AL-MAY-1009-A)		1–COIL	
	G154-0139786		(AL-MAY-1008-A)		1–COIL	
	G154-0139785		(AL-MAY-1007-F)		1–COIL	
	G154-0139788		(AL-MAY-1010)		1–COIL	
	G154-0139937		(AL-MAY-33)		1–CONNECTOR	
	G502-0139940		(AL-MAX-64)		2–CONNECTOR	
	G067-0903460		(AL-MAB-30)		1–INSULATION	
	G136-0232775		(AL-MAX-67)		1–INSULATION	
H-1	H001-4167561		(AL-8X-1376)		1–NUT	
	G154-0314864		(AL-5X-1376)		1–NUT	
H-1	H101-0141108		(AL-MN-21)		2–PIN	
	G121-0342150		(AL-MAW-29)		4–POLE	
	G154-0342417		(AL-MAY-34)		1–POST	
H-1	H001-5089341		(AL-8X-61)		2–SCREW	
	G121-0382170		(AL-MW-20-A)		2–SCREW	
	G067-0905020		(AL-GK-38)		4–SCREW	
	G154-0443061		(AL-MAK-80)		1–WASHER	
	G067-0906730		(AL-MAB-31)		1–WASHER	
H-1	H001-1516007		(AL-X-199)		2–WASHER	
H-1	H001-7025711		(AL-X-1014)		1–WASHER	
H-1	H001-7043711		(AL-MU-37)		1–WASHER)	
	G136-0217894	06-6	(AL-PS-1209)		HOUSING, cranking motor, assembly	1
					(Includes:	
	G067-0900810		(AL-MG-77-A)		1–BEARING	
			(AL-MAB-88)		1–PIN)	
	G136-0232775		(AL-MAX-67)		INSULATION, engine cranking motor, field connection, drive end	1
	G067-0903460		(AL-MAB-30)		INSULATION, engine cranking motor, field coil connection, commutator end	1
	G134-0390000	01-1,2	B248694	B248694	MOTOR, cranking, engine, assembly	1
		06-11	(AL-MAY-4138)			
	G067-1200010	01-5	A171669		ADAPTER, engine cranking motor	1
		06-6	(HM-22066-A)			
H-1	H001-0718023	01-5	218565		NUT, hex., s-fin., S., 3/8-24NF-2	3
	5167658	06-2				
	G136-~~0392316~~	01-5	A167658	A167658	STUD, mounting, engine cranking motor (3/8-24NF-2 (1 1/8) x 2 3/4 x 3/8-16NC-2 (5/8))	3
		06-6	(HM-4304-A)			
H-1	H001-1518009	06-6	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	3
			(HM-342-A)			
H-1	H001-4167561		(AL-8X-1376)		NUT, hex., 5/16-24 (engine cranking motor terminal post)	1
	G104-0314858	06-6	(AL-5X-1376)		NUT, hex., S., engine cranking motor terminal post (5/16-24)	1

0603

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0603—ENGINE CRANKING MOTOR (Cont'd)		
	G121-0322885		(AL-S-390)		OILER, press-in type, engine cranking motor (1/4)	1	
	G134-0338435		(AL-MAB-88)		PIN, dowel, intermediate bearing locating, engine cranking motor	1	
	G067-0904050		(AL-MN-21)		PIN, dowel, S., 1/8 x 7/16, engine cranking motor	2	
	G136-0336303	06-6	(AL-EBA-5932)		PINION, engine cranking motor starter drive	1	
	G116-1658775	06-6	(AL-X-261)		KEY, Woodruff No. 6, engine cranking motor armature shaft	1	
	G136-0211415	06-6	(AL-MAX-2002)		PLATE, engine cranking motor brush holder, assembly	1	
					(Consists of:		
	G104-1733830		(AL-MAD-110)		1–FELT		
	G121-0322885		(AL-X-390)		1–OILER		
			(AL-MZ-19)		4–SPRING)		
	G121-0342150	06-6	(AL-MAW-29)		POLE, cranking motor	4	
	G136-0369905		(AL-EBA-1233)		RING, retaining, engine cranking motor drive	1	
	G136-0382031		(AL-EBA-1231)		SCREW, engine cranking motor starter drive shaft	1	
H-1	H001-5089341	06-6	(AL-8X-61)		SCREW, fl-hd., S., No. 10-32 x 7/16 (engine cranking motor ground brush)	2	
	G037-0905390		(AL-MAB-35)		SPACER, engine cranking motor bearing thrust	1	
	G067-0905570	06-6	B167639 (AL-MZ-19)	B167639	SPRING, engine cranking motor brush	4	
	G136-0389807	06-6	(A-EBA-1205) (ECM-R11H-6X)		SPRING, engine cranking motor drive	1	
	G067-0904880	06-6	(AL-EB-7806)		SCREW, engine cranking motor drive head to spring	1	
	G136-0382030	06-6	(AL-EBA-507)		SCREW, cranking Motor drive spring to armature shaft	1	
	G067-0906840	06-6	(AL-EB-108)		WASHER, lock, engine cranking motor drive spring screw	2	
	G136-0389808		(AL-EBA-1213)		SPRING, engine cranking motor drive	1	
	G136-0389809		(AL-EBA-1225)		SPRING, meshing, engine cranking motor drive	1	
	G067-0900150	06-6	(AL-MAB-1024-F)		STRAP, cover, engine cranking motor commutator end	1	
H-1	H001-4139681		(AL-8X-794)		NUT, head, No. 10-32, engine cranking motor commutator end cover strap screw	1	
H-1	H101-0132926		(AL-X-715)		SCREW, rd-hd., No. 10-32 x 1 1/4	1	
	~~G154-0342417~~	06-6	(AL-MAY-34)		STUD, engine cranking motor terminal (5/16-24)	1	
	G134-0389052	06-11	B248697 (FM-09B-11450)	B248697	SWITCH, engine cranking motor solenoid, assembly	1	
					(Includes:		
H-1	H001-0718022		218564		2–NUT		
H-1	H001-0716022		219702		2–NUT		
H-1	H001-0716610		103088		2–NUT		
H-1	H001-1530008		103340		2–WASHER		
H-1	H001-1518005		106497		2–WASHER, lock		
H-1	H001-1518008		103320		4–WASHER, lock)		

FIGURE 06-7—ENGINE DISTRIBUTOR ASSEMBLY (EXPLODED)



Key	Item	Part No.	Group No.
A	CAP	AL-IAC-1051	0604.1
B	PLUG	AL-IAC-54	0604.1
C	GASKET	AL-IAC-26	0604.1
D	SPRING	AL-IC-515	0604.1
E	BRUSH	AL-IG-514	0604.1
F	SCREW	AL-IAC-55	0604.1
G	WASHER	106496	0604.1
H	ARM, assembly (Part of AL-IGP-3028FS)	AL-IGP-3028	0604.1
H-2	CONTACT (Part of AL-IGP-3028FS)	AL-IGC-1149	0604.1
J	CLIP	AL-IG-676	0604.1
K	WASHER	106495	0604.1
L	SCREW	AL-IAC-41	0604.1
M	SCREW	AL-GFM-4E	0604.1
N	WASHER	106497	0604.1
P	CLIP	AL-IAC-39	0604.1
Q	PLATE	AL-IAC-2004	0604.1
R	CAM	AL-IAC-1021R	0604.1
S	SPACER	AL-IAC-42	0604.1
T	SHAFT and GOVERNOR, assembly	AL-IAC-2057-R	0604.1
T-1	SHAFT (Part of AL-IAC-2057-R)	AL-IAC-1057-R	0604.1
T-2	SPRING, set (Part of AL-IAC-2057-R)	AL-IGB-284S	0604.1
T-3	WEIGHT (Part of AL-IAC-2057-R)	AL-IAC-2168-R	0604.1
U	WASHER	AL-IAC-104	0604.1
V-1	BUSHING	AL-IG-579-A	0604.1
V-2	HOUSING	AL-IAC-2056	0604.1
V-3	CUP	AL-X-382	0604.1
W	RIVET	AL-GJ-236	0604.1
X	GEAR DISTRIBUTOR	A276829	0604.1
Y-1	ARM	AL-IGC-24N	0604.1
Y-2	WASHER	AL-X-199	0604.1
Y-3	NUT	AL-8X-146	0604.1
Y-4	SCREW	AL-8X-707	0604.1
Y-5	SCREW	AL-8X-86	0604.1
Z	WASHER	AL-IG-90	0604.1
AA	WASHER	AL-LG-816-A	0604.1
BB	POST	AL-IAC-32	0604.1
CC	CLAMP	AL-IAC-18	0604.1
DD	INSULATION	AL-IAC-15	0604.1
EE	BUSHING	AL-IAC-38	0604.1
FF	WASHER	AL-IAC-36	0604.1
GG	WASHER	AL-8X-361	0604.1
HH	WASHER	AL-X-535	0604.1
JJ	NUT	218584	0604.1
KK	SNAP RING	AL-IAC-48	0604.1
LL	GASKET	AL-IAC-37	0604.1
MM	CONDENSER	AL-IG-2671N	0604.1
NN	SCREW	AL-IAC-40	0604.1
PP	WASHER	AL-8X-350	0604.1
QQ	SCREW	AL-GFM-18E	6004.1
RR	PLATE	AL-IAC-1005	0604.1
SS	ROTOR	AL-IAC-1016	0604.1
TT	SCREW	AL-GFM-4G	0604.1

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FIGURE 06-7—ENGINE DISTRIBUTOR ASSEMBLY (EXPLODED)

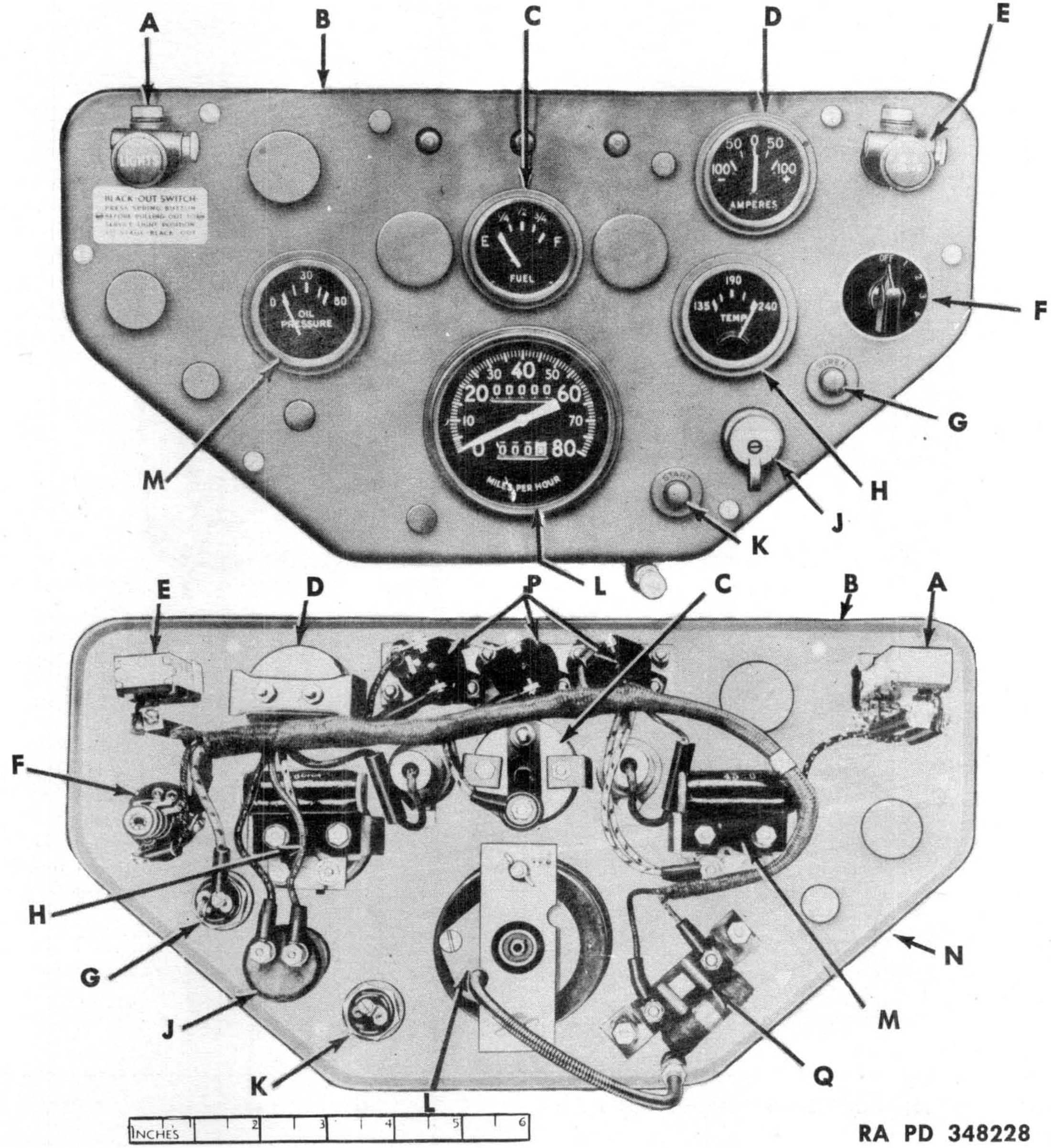
GROUP 06—ELECTRICAL

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0603—ENGINE CRANKING MOTOR (Cont'd)		
H-1	H001-1026531		189133		SCREW, mach., oval-fil-hd., S., $\frac{1}{4}$-28NF-2 x $\frac{3}{8}$	2	
	G136-0443044		A284169-B	A284169	WASHER, lock, internal teeth, type $\frac{1}{4}$, engine cranking motor solenoid switch screw	4	
	G154-0443061	06-6	(AL-MAK-80)		WASHER, insulation, engine cranking motor terminal post, inner (.322 x $\frac{11}{16}$ x $\frac{1}{16}$)	1	
	G067-0906730	06-6	(AL-MAB-31)		WASHER, insulator, engine cranking motor terminal post, outer	1	
H-1	H001-1516007	06-6	(AL-X-199)		WASHER, lock, hv., S., $\frac{1}{4}$ (engine cranking motor frame thru bolt)	2	
H-1	H001-7025711	06-6	(AL-X-1014)		WASHER, lock, S., $\frac{5}{16}$ (engine cranking motor terminal post)	1	
H-1	H001-7043711	06-6	(AL-MU-37)		WASHER, plain, S., $\frac{5}{16}$, engine cranking motor terminal post	1	
	G104-1842710	06-6	(AL-MU-54)		WASHER, fibre, thrust, engine cranking motor, armature shaft (.645 x $1\frac{1}{4}$ x 1.32)	2	
H-1	H001-1530013	06-6	(AL-MAK-61)		WASHER, thrust, .643 x $\frac{17}{32}$ x .065 (engine cranking motor armature, commutator end)	1	
					0604.1—IGNITION DISTRIBUTOR		
	G136-0110478	06-7	(AL-IGC-24-N)		ARM, control, engine ignition distributor	1	
	G136-0314847	06-7	(AL-8X-146)		NUT, engine ignition distributor advance arm lock screw	1	
	G136-0382058	06-7	(AL-8X-86)		SCREW, engine ignition distributor advance arm	1	
	G136-0382037	06-7	(AL-8X-707)		SCREW, lock, engine ignition distributor control arm	1	
H-1	H001-1516007	06-7	(AL-X-199)		WASHER, lock, engine ignition distributor advance arm mounting screw	2	
	G067-0904329	06-7	(AL-1G-514)		BRUSH, contact, engine ignition distributor cap	1	
	G104-1518120	06-7	(AL-1G-579-A)		BUSHING, engine ignition distributor housing	2	
	G104-1527727	06-7	(AL-IAC-38)		BUSHING, insulating, engine ignition distributor terminal post	1	
	G136-0131398	06-7	(AL-IAC-1021-R)		CAM, engine ignition distributor, assembly	1	
	G136-0370035	06-7	(AL-IAC-48)		SNAP RING, retainer, engine ignition distributor cam and lock plate to shaft	1	
	G104-1531638	06-7	(AL-IAC-1051)		CAP, engine ignition distributor, assembly	1	
	G104-1781907	06-7	(AL-GFM-4-G)		SCREW, mounting, engine ignition distributor cap (fil-hd., dld-f/lkg wire, No. 10-32NF-2 x $\frac{3}{4}$)	2	
H-1	H001-1518005	06-7	106497 (AL-X-196)		WASHER, lock, reg , S., No. 10 (.190) (.200 I.D. x .325 O.D. x $\frac{3}{64}$ thk.)	2	
	G104-1537885	06-7	(AL-IAC-18)		CLAMP, engine ignition distributor terminal post screw	1	
	G067-0901671	06-7	(AL-IG-676)		CLIP, engine ignition distributor contact arm	1	
	G136-0382032	06-7	(AL-GFM-18-E)		SCREW, adjusting, engine ignition distributor contact (No. 8-32 x $\frac{3}{16}$)	1	
	G136-0382025	06-7	(AL-1AC-41)		SCREW, engine ignition distributor, condenser lead (hex-hd., dld-f/lkg wire, No. 6)	1	
H-1	H001-1518003	06-7	106495		WASHER, lock, reg., S., No. 6 (.138) (.143 I.D. x .237 O.D. x $\frac{1}{32}$ thk.)	1	
H-1	H001-1530004	06-7	(AL-8X-350)		WASHER, plain, No. 8 (engine ignition distributor contact, adjusting screw)	1	

	G104-1538160	06-7	(AL-1AC-39)		CLIP, lock, engine ignition contact bar screw	2
	G104-1781953	06-7	(AL-GFM-4-E)		SCREW, engine ignition distributor contact bar (fil-hd., dld. f/lkg. wire, S., No. 10)	2
H-1	H001-1518005	06-7	106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	2
	G104-1539845	06-7	(AL-IG-2671-N)		CONDENSER, engine ignition distributor	1
	G136-0382026	06-7	(AL-IAC-40)		SCREW, engine ignition distributor condenser (fil-hd., S., dld. f/lkg. wire, No. 6-32 x 5/32)	2
H-1	H001-1518003	06-7	106495		WASHER, lock, reg., S., No. 6 (.138) (.143 I.D. x .237 O.D. x 1/32 thk.)	1
H-1	H001-1030079	06-7	(AL-X-382)		CUP, lubricating, engine ignition distributor base	1
	G134-0152015	01-3,4	B246885 (AL-IAC-4003)	B246885	DISTRIBUTOR, engine ignition, assembly	1
	G067-0900550	05-2	A163224 (HM-4343-A)	A163224	BRACKET, engine ignition distributor, attaching	1
H-1	H001-1013035	05-2	217022 (HM-4266-A)		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 1 3/4	1
H-1	H001-1518009	05-2	103321 (HM-342-A)		WASHER, lock, reg., S., 3/8 (.390 I.D. x .640 O.D. x 3/32 thk.)	1
	G136-0194019	06-7	(AL-IAC-37)		GASKET, engine ignition distributor breaker plate to base	1
	G136-0194039		A285007	A285007	GASKET, engine ignition distributor cap, high tension terminals	7
	G136-0194018	06-7	(AL-IAC-26)		GASKET, engine ignition distributor cap	1
	G067-1200605	06-7	A276829 (HM-22335-A)	A276829	GEAR, engine ignition distributor driven (14 tooth)	1
	G104-1769910	06-7	(AL-GJ-236)		PIN, retaining, engine ignition distributor driven gear to shaft	1
	G134-0217705	06-7	(AL-IAC-2056)		HOUSING, distributor, assembly	1
	G104-1632848	06-7	(AL-IAC-15)		INSULATION, engine ignition distributor terminal post	1
	G104-1783105	06-7	(AL-IGP-3028-FS)		KIT, contact, engine ignition distributor (Consists of:	1
	G116-0400060		(AL-IGP-3028)		1–ARM, assembly	
	G116-0400590		(AL-IGC-1149)		1–CONTACT)	
H-1	H001-0718021	06-7	218584 (AL-8X-1055)		NUT, reg., hex., s-fin., S., 1/4-28NF-2 (engine ignition distributor terminal post screw)	1
	G104-1741302	06-7	(AL-IAC-2004)		PLATE, breaker, engine ignition distributor	1
	G136-0340214	06-7	(AL-IAC-1005)		PLATE, seal, engine ignition distributor housing	1
	G104-1781931	06-7	(AL-IAC-55)		SCREW, engine ignition distributor seal plate to breaker plate (fil-hd., dld. f/lkg. wire, S., cd-pltd., No. 8-32NC-2 x 1)	3
H-1	H001-1518004	06-7	106496 (AL-X-195)		WASHER, lock, reg., S., No. 8 (.164) (.169 I.D. x .263 O.D. x 3/64 thk.)	2
	G104-1740470	06-7	(AL-IAC-54)		PLUG, engine ignition distributor cap	2
	G104-1773609	06-7	(AL-IAC-1016)		ROTOR, engine ignition distributor, assembly	1
	G104-1742403	06-7	(AL-IAC-32)		SCREW, engine ignition distributor terminal (1/4-28NF-2 x 1 1/4)	1
	G136-0384832	06-7	(AL-IAC-1057-R)		SHAFT, drive, engine ignition distributor, assembly	1
	G134-0384689	06-7	(AL-IAC-2057-R)		SHAFT, engine ignition distributor governor, w/WEIGHTS	1
	G136-0389424	06-7	(AL-IAC-42)		SPACER, engine ignition distributor cam	1
	G067-0905419	06-7	(AL-1G-515)		SPRING, engine ignition distributor cap control brush	1
	G067-0905551	06-7	(AL-IGB-284-S)		SPRING SET, engine ignition distributor governor weight	1
	G067-0906980	06-7	(AL-IG-816-A)		WASHER, engine ignition distributor control arm to base	1

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0604.1—IGNITION DISTRIBUTOR (Cont'd)		
	G104-1842873	06-7	(AL-IAC-36)		WASHER, insulating, engine ignition distributor terminal post	1	
H-1	H001-1518007	06-7	(AL-X-535)		WASHER, lock, S., 1/4 (engine ignition distributor terminal post)	1	
H-1	H001-7043681	06-7	(AL-8X-361)		WASHER, plain, cd., pltd., S., 1/4 (engine ignition distributor terminal post)	1	
	G136-0443032	06-7	(AL-IAC-104)		WASHER, thrust, engine ignition distributor shaft, upper	1	
	G067-3442601	06-7	(AL-IG-90)		WASHER, thrust, engine ignition distributor shaft, lower	1	
	G136-0445183	06-7	(AL-IAC-2168-R)		WEIGHT, distributor governor	2	
					0605—IGNITION COIL, SPARK PLUGS, IGNITION SWITCH, IGNITION WIRING		
	G136-0125900		(HM-42807-A)		BRACKET, ignition coil	1	
	G136-0447798	01-3 06-11	A284132	A284132	CABLE, engine ignition distributor to coil, w/CONDUIT	1	
	G136-6248869	06-7,8,11	B248869	B248869	CABLE, filter box to ignition coil, w/CONDUIT	1	
	15-C-2150		(15-C-2150)		CABLE, high tension, ignition, 7MM	A.R.	
	G104-1835502		B199965	B199965	COIL, engine ignition, assembly	1	
	G134-0138795	01-3,4 06-11	B248695	B248695	COIL, engine ignition, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	2	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	2	
	G136-0443045		A284169-C	A284169	WASHER, internal external tooth 5/16, engine ignition coil to bracket	4	
	G136-0180792		A285006	A285006	FERRULE, engine ignition spark plug and coil cables	7	
	G136-0183051	06-11	B247544	B247544	FILTER, 10 amp, engine ignition coil, assembly	1	
H-1	H101-0225576		225576		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 3/8	4	
	G136-0443044		A284169-B (SK-40180-20)	A284169	WASHER, lock, 1/4, internal and external tooth	4	
	G136-0194040		A330160	A330160	GASKET, engine ignition spark plug	6	
	G136-0139895	01-4	C118119	C118119	HARNESS, wiring, engine ignition primary and secondary, assembly	1	
H-4	H004-0501008		A283470 (CP-JC-10)	A283470	PLUG, spark, engine ignition	6	
	G136-0382021		A285008	A285008	SCREW, engine ignition spark plug cable high tension terminal	7	
H-4	H004-0500327		C100782-A	C100782	SUPPRESSOR, engine coil wire, high tension (replaces A285005)	1	
H-4	H004-0500320		A285004	A285004	SUPPRESSOR, engine ignition spark plug	6	
	G104-1793789	06-8,9	B259561 (UTS-E-9404)	B259561	SWITCH, engine ignition, assembly	1	
	G136-0398792		A284110	A284110	TERMINAL, engine ignition coil to distributor cable	1	
	G136-0443044		A284169-B (SK-40180-20)	A284169	WASHER, lock, 1/4, internal and external tooth wiring ground contact	13	
	G136-5284153	01-1 06-11	A284153	A284153	WIRE, ignition coil to distributor, low tension, w/CONDUIT	1	



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FIGURE 06-8—INSTRUMENT PANEL (OLD STYLE)

Key	Item	Part No.	Group No.
A	SWITCH, blackout	B183176	0607
B	GAGE, fuel	B199960-B	0607
C	AMMETER	B199959	0607
D	SWITCH	B257738	0607
E	SWITCH, panel	A284412	0607
F	SWITCH, siren	A250491	0611
G	GAGE, temperature	B248901	0607
H	SWITCH, ignition	B259561	0605
J	SWITCH, starter	A283452	0607
K	SPEEDOMETER	B199958	2208.1
L	GAGE, oil pressure	B246994	0607
M	BREAKER, assembly	B248846	0607
N	RESISTOR	A284058	0607

RA PD 348228C

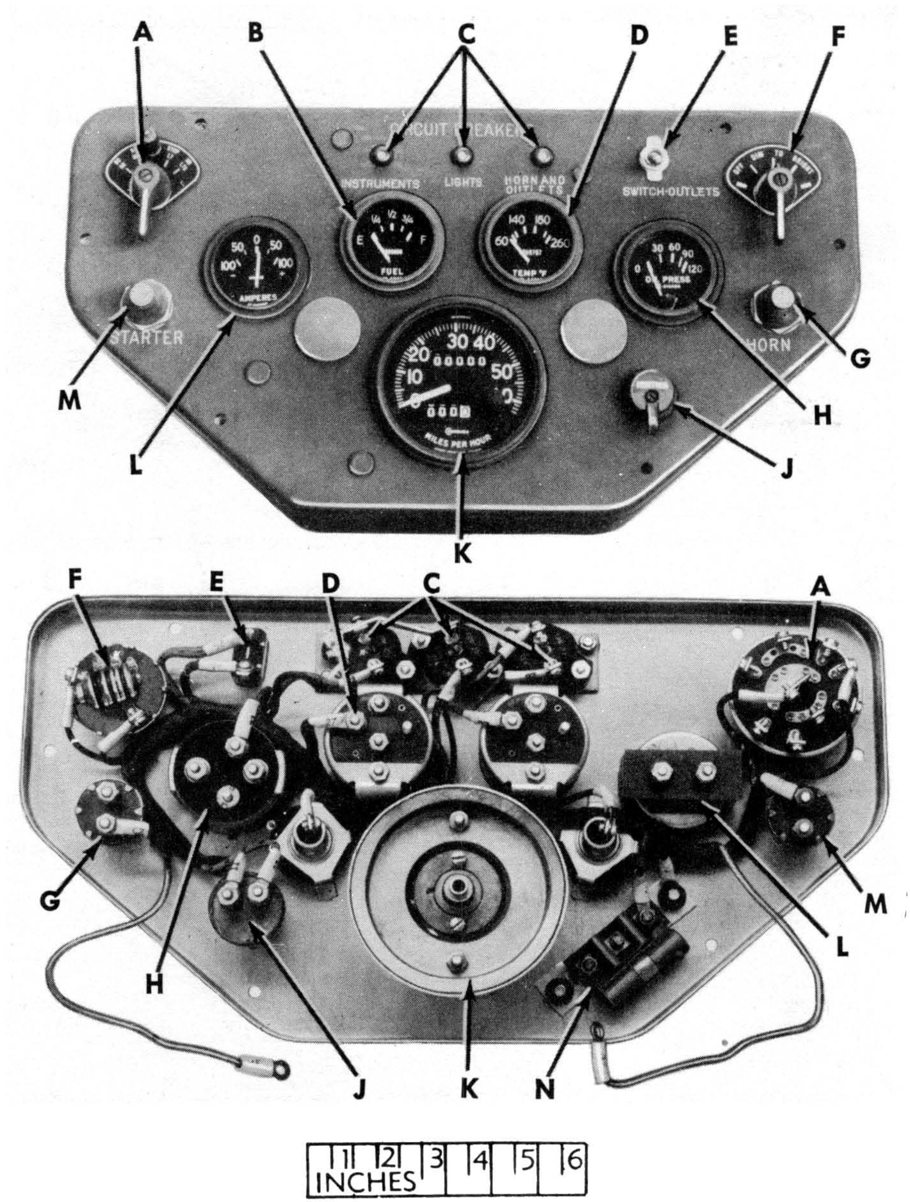


FIGURE 06-9—INSTRUMENT PANEL (NEW TYPE)

Key	*Item*	*Part No.*	*Group No.*
A	SWITCH, blackout lights	C144824	0607
B	GAGE, fuel	6209888	0607
C	BREAKERS, assembly	B248846	0607
D	GAGE, temperature	6208797	0607
E	SWITCH, outlet	A232152	0607
F	SWITCH, instrument panel, assembly	C136607	0607
G	SWITCH, horn	A298391	0607
H	GAGE, oil pressure	B210455	0607
J	SWITCH, ignition	B259561	0605
K	SPEEDOMETER	6208454	2208.1
L	AMMETER	B199959	0607
M	SWITCH, starter	A298391	0607
N	RESISTOR, B. O. lamp	A284058	0607

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0607—INSTRUMENT PANEL, INSTRUMENTS, GAGES, LIGHTS, LAMPS AND INSTRUMENT WIRING		
	G104-6199959	06-8,9	B199959 (AC-1599656)	B199959	AMMETER, instrument panel, assembly	1	
	G136-0115995		A284024	A284024	BAR, circuit breaker, instrument panel	1	
	G402-7035027		B199968-N	B199968	BREAKER, circuit, 20 ampere, instrument panel, assembly (replaced by B248846)	3	
		06-8,9	B248846	B248846	BREAKER, circuit, 20 ampere, instrument panel, assembly (replaces G402-7035027, B199958-N)	1	
H-1	H001-0725330		503243		NUT, safety, M-screw, S. (elastic stop nut type) No. 8 (.164) 32NC-2	6	
H-1	H001-1023083		100818		SCREW, mach., fl-hd., S., No. 8 (.164) 32NC-2 x ¾	6	
	G136-0128018		A285051	A285051	BUSHING, instrument panel body	2	
	G136-5285089		A285089 (SPR-P2672)	A285089	CONDENSER, .28-32 mfd., instrument panel water temperature and oil pressure gage	2	
	G136-0140206		B247696	B247696	COVER, speedometer	1	
	G104-2666475		A297546	A297546	FILTER, instrument panel lights	2	
	G104-1593657	06-9	6209888		GAGE, fuel, instrument panel (same as B209888, number changed only)	1	
	G136-0193738	06-8	B248901 (KS-40305-1)	B248901	GAGE, instrument panel engine water temperature (use with A283078, water temperature engine unit) (used on M-8 odd numbers 1 to 8113; even numbers 2 to 7836 and on M-20 numbers from 1 to 2146)	1	
	G104-1593657		B208797 (SW-442168) (AC-1511527)	B208797	GAGE, instrument panel engine water temperature (supersedes B248901) (use with A297237 water temperature engine unit) (used on M-8 above odd numbers 8113; even number 7836 and on M-20 above 2146)	1	
	G198-6210455	06-9	B210455	B210455	GAGE, instrument panel oil pressure (120 lbs.) (replaces GAGE B249030) (used on M-8 above odd numbers 9005; also odd numbers above 10987 and on M-20 above 3320)	1	
	5300-40730		B249030 (KS-40730)	B249030	GAGE, instrument panel engine oil pressure, assembly (50 lbs.) (supersedes B246994) (use with A284670 oil pressure, engine unit) (used on M-8 above odd numbers 8113; even numbers 7836 and M-20 above numbers 2146)	1	
	M003-6209888		B209888 (AC-1516747)	B209888	GAGE, instrument panel engine fuel, assembly (supersedes B199960-B) (used with 7058823 fuel tank unit) (used on M-8 even numbers above 7836; odd numbers above 8113 and on all M-20 numbers above 2146)	1	
	G148-0194161	06-8	B199960-B	B199960	GAGE, instrument panel engine fuel (used with B248762 fuel tank unit) (used on M-8 even numbers 1 to 7836; odd numbers 1 to 8113 and all M-20 serial numbers 1 to 2146)	1	
	G134-0194061	06-8	B246994 (KS-40311-1)	B246994	GAGE, instrument panel engine oil pressure, assembly (80 lbs.) (used with B246995 oil pressure, engine unit) (used on M-8 odd numbers 1 to 8113 and even numbers 2 to 7836)	1	

GROUP 06—ELECTRICAL

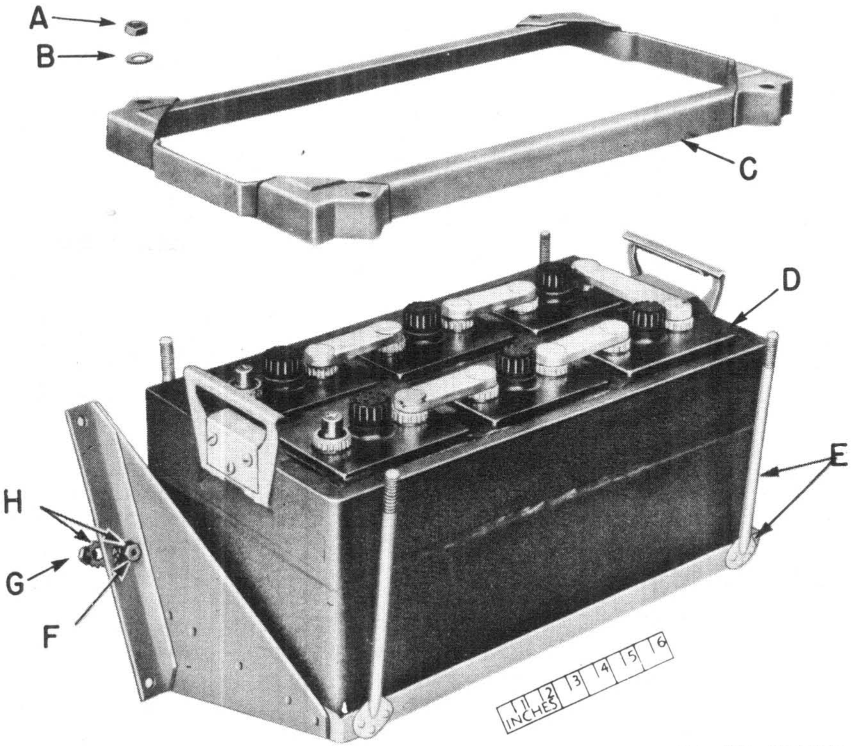
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0607—INSTRUMENT PANEL, INSTRUMENTS, GAGES, LIGHTS, LAMPS AND INSTRUMENTS WIRING (Cont'd)		
	G204-6208797	06-9	6208797		GAGE, temperature, dash unit (same as B208797, number changed only)	1	
	G136-7034954		A334804-C	A334804	GASKET, instrument panel cover to instrument panel body	1	
	G104-2688463		A345792-B	A345792	GASKET, rubber, instrument panel gages (2-$\frac{3}{32}$ I.D. x 2$\frac{9}{32}$ O.D. x $\frac{1}{32}$ thk.)	4	
	G136-0209350		C118332	C118332	HARNESS, wiring, instrument panel, assembly (used on M-8 below even numbers 2 to 7836; odd numbers below 8113 and all M-20 numbers below 2146)	1	
	G136-5618400		C118400	C118400	HARNESS, wiring, instrument panel, assembly (supersedes C118332) (used on M-8 above even number 7836; above odd number 8113 and M-20 numbers above 2146)	1	
	G136-5284495		A284495	A284495	INSULATOR, circuit breaker, instrument panel, plate cover	1	
	G104-1658711		B259557	B259557	KNOB, switch, instrument panel light (replaces A248437)	1	
	G136-0314843		A285050-D	A285050	NUT, instrument panel body (hex., 1$\frac{3}{16}$-18NF-2 x $\frac{3}{16}$ thk.)	2	
	G136-0314865		A250506	A250506	NUT, instrument panel push buttons ($\frac{7}{8}$-28NF-2)	3	
H-1	H001-0716610		103088		NUT, mach., screw, hex., S., No. 10 (.190) 32NF-1 (instrument panel terminal box)	14	
H-1	H001-0725640		503338		NUT, safety, S. (elastic stop nut type-NF) $\frac{1}{4}$-28NF-3 (mounting instrument panel to steering column)	4	
		06-11	D67520	D67520	PANEL, instrument, assembly (replaces PANEL D67380)	1	
	G136-0333940		D67380	D67380	PANEL, instrument, assembly (used on first 3500 units) (replaced by PANEL D67520)	1	
	2050-8222		A246572 (HC-8222)	A246572	PLATE, face, instrument panel outlet switch	1	
	G104-1531595		A298394 (UC-51157)	A298394	PLUG, button, instrument panel lamp hole	2	
	G136-0367616	06-8,9	A284058	A284058	RESISTOR, blackout driving light (2.4 ohms, 20 watts)	1	
	G136-0382035		A250507	A250507	SCREW, mounting, engine starter switch (mach., fil-hd., br., No. 6 32-NF-2 x $\frac{3}{16}$) (used on M-8 below even numbers 7836; odd numbers below 8113 and all M-20 numbers below 2146)	1	
H-1	H001-1076135		171350		SCREW, self tapping, rd-hd., No. 8 (.164) 32NC-2 x $\frac{1}{4}$ (instrument panel)	4	
	G402-5348651		A348651	A348651	SOCKET, instrument panel lights	2	
	G104-1793711	06-8	B257738	B257738	SWITCH, blackout driving lights, assembly (superseded by C144824) (used on M-8 even numbers below 7836; odd numbers below 8113 and on all M-20 numbers below 2146)	1	
	G103-1793650	06-9	A298391	A298391	SWITCH, engine cranking motor, assembly (supersedes A283452) (used on M-8 above even numbers 7836; odd numbers above 8113 and all M-20 numbers above 2146)	2	
	G134-0393784	06-8	A283452 (FM-19B-11500)	A283452	SWITCH, engine cranking motor, assembly (used on M-8 below numbers 7836; odd numbers below 8113 and all M-20 numbers below 2146)	1	

	G103-0502110	06-8	B183176 (HC-7160)	B183176	SWITCH, headlight, blackout, assembly (supersedes C144824) (used on M-8 even numbers below 7836; odd numbers below 8113 and all M-20 numbers below 2146)	1	
	G163-0393788	06-9	C144824 (DM-6218)	C144824	SWITCH, headlight, service and blackout, assembly (supersedes B257738, B183176) (used on M-8 even numbers above 7836; odd numbers 8113 and on all M-20 numbers above 2146)	1	
	G134-0393790	06-9	A232152	A232152	SWITCH, instrument panel electric outlets (used on M-8 above odd number 8113; even numbers 7836 and on M-20 above 2146)	1	
	G104-1793705		A244711	A244711	SWITCH, instrument panel lights, assembly (replaced by A284412)	1	
	G176-5284412	06-8	A284412	A284412	SWITCH, instrument panel lights, assembly (used on M-8 even numbers below 7836; odd numbers below 8113 and on M-20 numbers below 2146)	1	
	2760-6329	06-9	C136607 (DM-6329)	C136607	SWITCH, instrument panel lights, assembly (supersedes A284412) (used on M-8 above even numbers 7836; odd numbers above 8113 and all M-20 numbers above 2146)		
	G104-3090303		C102763	C102763	SWITCH, instrument panel lights (supersedes A248432)	1	
H-1	H001-1519007		115545		WASHER, lock, internal teeth, reg., S., No. 10 (.190) 3/16 (instrument panel circuit breaker)	6	
	G136-0447850		A284088	A284088	WIRE, instrument panel lamp, w/TERMINAL	1	
	G136-0447800		A285077	A285077	WIRE, instrument panel, w/TERMINAL, assembly	2	
					(Consists of:		
	G170-0389809		A244802	A244802	1–SPRING		
	G104-5278594		A278594	A278594	1–TERMINAL		
	G104-1842494		A248389	A248389	1–WASHER		
	G170-0443275		A244657	A244657	1–WASHER, w/EYELET)		
					0608—SWITCHES, TERMINALS, JUNCTION BOXES, CIRCUIT BREAKER		
	G136-0122299		A284057	A284057	BLOCK, junction, blackout driving lamp	1	
	G136-0122300		B209140	B209140	BLOCK, radio terminal box	2	
	G136-0124532	06-11	B248919	B248919	BOX, radio terminal, assembly (first 1000 units) (replaced by C100443)	2	
H-4	H004-0500332	06-11	C100443	C100443	BOX, radio terminal, assembly (after 1000 units) (replaces BOX B248919)	2	
H-1	H001-1026531		189133		SCREW, mach., oval-fil-hd., S., 1/4-28NF- x 3/8	4	
	G136-0443044		A284169-B	A284169	WASHER, lock, attaching radio terminal box (internal, external teeth, S., 1/4)	8	
	G136-0124531		C118083	C118083	BOX, terminal, assembly, rear	1	
					(Consists of:		
			C118326	C118326	1–BODY		
			A172391	A172391	4–BRACKET		
	G136-0140205		B246949	B246949	1–COVER		
H-1	H001-0716610		103088		14–NUT		
H-1	H001-0725240		503246		14–NUT		
H-1	H001-1023631		100872		2–SCREW		
H-1	H001-1030582		112872		4–SCREW		
	G104-1792202		B197371	B197371	1–STRIP		
H-1	H001-1519007		115545		18–WASHER		
H-1	H001-1523001		114946		28–WASHER)		

Col. 1 NOTE SYMBOL	Col 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0608—SWITCHES, TERMINALS, JUNCTION BOXES, CIRCUIT BREAKER (Cont'd)		
H-4	H004-0303062		A213567-D	A213567	NUT, lock, terminal box, rear	1	
H-1	H101-1026533		225578		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 1/2	2	
	G136-0443044		A284169-B	A284169	WASHER, lock, attaching rear terminal box (internal, external teeth S., 1/4)	2	
	G136-0124542	06-11	C118061	C118061	BOX, terminal, w/SHUNT, assembly	1	
H-1	H001-1026531		189133		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 3/8	8	
	G136-0443044		A284169-B	A284169	WASHER, shunt terminal box (internal, external teeth, S., 1/4)	4	
	G103-0300720		A172174	A172174	BUSHING, terminal box	2	
H-4	H004-0502028		502028		CAPACITOR, terminal box	1	
	G136-0138001		A284162	A284162	CLIP, conduit, tee to shunt box	1	
	G136-0139889		A284182	A284182	CONDENSER, .25 mfd., terminal shunt box	1	
	G136-5284344		A284344	A284344	CONDENSER, .50 mfd., radio terminal boxes	2	
	G136-0140061		A276853	A276853	CONNECTOR, stop light switch	6	
	G136-0140205		B246949	B246949	COVER, shunt terminal box and rear terminal box	2	
H-4	H004-0503061		A213567-C	A213567	NUT, jam, br., 1 1/16-18NF-2 (terminal box)	2	
H-1	H001-0716021		219701		NUT, jam, hex., s-fin., S., 1/4-28NF-2 (terminal box shunt screw)	2	
H-1	H001-0725150		503269		NUT, safety, br. (elastic stop nut type-NC) 1/4-20NC-3 (radio terminal box)	8	
H-1	H001-0725240		503246		NUT, safety, m-screw, br (elastic stop nut type) No. 10 (.190) 32NF-2 (terminal box shunt screw)	14	
			B249005	B249005	RECEPTACLE, battery charging, assembly	1	
H-1	H001-1023625		100868		SCREW, mach., flat-hd., br., No. 10 (.190) 32NF-2 x 1/2 (rear terminal box shunt)	2	
H-1	H001-1026531		189133		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 3/8 (attaching rear terminal box)	2	
H-1	H001-1030582		121540		SCREW, mach., rd-hd., S., No. 10 (.190) 32NF-2 x 5/16 (terminal box shunt)	4	
H-1	H001-1030675		190921		SCREW, mach., rd-hd., S., 1/4-28NF-2 x 3/4 (terminal box shunt)	2	
	G104-0503835		B197606	B197606	SHUNT, .0015 ohms	1	
	G136-0392197	06-11	A284175	A284175	STRAP, ground, master switch	1	
H-1	H001-1026590	06-11	225526		SCREW, machine, oval-fil-hd., S., 3/8-24NF-2 x 1/2	1	
		06-11	A284169-D	A284169	WASHER, master switch ground strap	1	
	G134-0393787		B246956	B246956	SWITCH, master, battery, assembly	1	
	G136-0124530	06-11	B248831	B248831	SWITCH, master, w/BOX	1	
H-1	H001-1026531		189133		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 3/8	3	
	G136-0443044		A284169-B	A284169	WASHER, lock, wiring harness ground contact screw (internal, external teeth, S., 1/4)	3	
	G085-2102215	06-11 12-3	A283457 (FM-11A-13480)	A283457	SWITCH, stoplight, assembly	1	
H-1	H001-1519006		115544		WASHER, lock, internal teeth, reg., S., No. 8 (.164) (master switch box)	4	
H-1	H001-1519007		115545		WASHER, lock, internal teeth, reg., S., No. 10 (.190) 3/16 (terminal box)	18	
H-1	H001-1519007		115545		WASHER, lock, internal teeth, reg., S., No. 10 (.190) 3/16 (shunt terminal box)	28	

H-1	H001-1518007		103319		WASHER, lock, reg., S., ¼ (.265 I.D. x .453 O.D. x 1/16 thk.) (terminal box shunt screw)	2
H-1	H001-1523001		114946		WASHER, plain, br., U.S. std., 3/16 (¼ I.D. x 9/16 O.D. x 3/64 thk.)	28
H-1	H001-1530006		147577		WASHER, plain, S., SAE std., No. 12 (.216) ¼ I.D. x 9/16 O.D. (terminal box shunt screw)	2
					0609.1—HEAD, TAIL AND MARKER LIGHTS, LAMPS, LAMP UNITS	
H-4	H004-0504440		B226433	B226433	BODY, blackout marker light, assembly	3
	G147-0124060		B226432	B226432	BODY, headlight, assembly	3
	G136-0125913		C118059	C118059	BRACKET, tail light	2
	G104-0500901		A264601	A264601	CONNECTOR, contact, headlight	6
H-4	H004-0328255		A266256	A266256	CONNECTOR, headlight bushing, lower	2
H-4	H004-0504435		A265619 (FM-13210-B)	A265619	DOOR, blackout marker light, assembly	3
H-1	H001-1026074		A214555	A214555	SCREW, clamping, blackout marker light retaining ring (csk. fil-hd., S., cad. pltd., No. 8-32NF-2 x ⅞)	3
	G136-0155524		(FM-GP-13448B2)		DOOR, blackout, tail and service light	1
	G136-0155523		(FM-GP-13449A2)		DOOR, blackout tail and stop light	1
H-4	H004-0504426		B226431	B226431	DOOR, headlight, w/CLIP, assembly	3
H-1	H001-1026070		A265613	A265613	SCREW, clamping, headlight door (mach., fil-hd., S., cad-pltd., No. 8-32NF-2 x ⅜)	3
	G103-1593625		A265618	A265618	GASKET, blackout marker light door	3
	G103-1593624		A265600	A265600	GASKET, headlight wiring harness socket	3
H-4	H104-0190917		A213667-B (FM-13466)	A213667	LAMP, bulb, single contact, 3 candle power (12-16 volts)	2
	3320-GPA-13491		(FM-GPA-13491		LAMP UNIT, blackout tail and stop, lower, assembly (12-16 volts)	2
	3320-GPA-13485		(FM-GPA-13485)		LAMP UNIT, blackout tail and stop, upper, assembly (12-16 volts)	1
H-4	H004-0504433		C105860 (FM-13152)	C105860	LAMP UNIT, seal beam blackout light (6-8 volts)	1
H-4	H104-0193137		C97176-D	C97176	LAMP UNIT, sealed-beam, service headlight (12-16 volts)	2
	3320-GPA-13494		(FM-GPA-13494)		LAMF UNIT, seal beam, service, tail and stop lights, assembly (12-16 volts)	1
	M001-0214511		C105662-B (FM-13200)	C105662	LIGHT, blackout, marker (12-16 volts), assembly	3
H-1	H001-0718022		218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2	3
	A050-0102795		A226430	A226430	SPACER, marker, light	3
H-1	H001-1518008		103320		WASHER, lock, reg., S. (.328 I.D. x .578 O.D. x 1/16 thk.)	3
	G136-7067043		7067043		LIGHT, blackout, tail and service (12-16 volts), assembly (replaces C118378)	1
	3320-GPA-13405	06-11	C118377 (FM-GPA-13405)	C118377	LIGHT, blackout tail and service (12-16 volts), assembly (replaced by 7067036) (used on M-8 number 1 to 8573 and 9490 to 9929 and on M-20 number below 2344)	1
	G136-7067036		7067036		LIGHT, blackout, tail and stop (12-16 volts), assembly (replaces C118377) (used on M-8 numbers 8574 to 9489 and above 9930 and all M-20 numbers above 2344)	1

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0609.1—HEAD, TAIL AND MARKER LIGHTS, LAMPS, LAMP UNITS (Cont'd)		
	G136-7067043		7067043		LIGHT, blackout, tail and service (supersedes C118378), assembly (used on M-8 numbers 8574 to 9487 and above 9930 and on M-20 numbers above 2344)	1	
	3320-GPA-13404	06-11	C118378 (FM-GPA-13404)	C118378	LIGHT, blackout tail and service (12-16 volts), assembly (replaced by 7067043) (used on M-8 numbers 1 through 8573 and 9490 to 9929 and M-20 numbers below 2344)	1	
	M001-0214536	06-11	D59771-B (FM-13006)	D59771	LIGHT, head, blackout driving (12-16 volts), assembly	1	
	M001-0214540	06-11	D59636-B (FM-13005)	D59636	LIGHT, head, service, 12-16 volts, assembly	3	
	G104-2128021		A248047	A248047	BUSHING, headlight, sleeve lock	3	
	G136-0336225		B207510	B207510	PIN, headlight lock, assembly	3	
	G103-1769673		B226429 (FM-13166)	B226429	RETAINER, headlight door, w/SPRING, assembly	3	
	G103-1769673		B226429 (FM-13166)	B226429	RETAINER, headlight door, w/SPRING, assembly	3	
	G104-1781702		A265620	A265620	SCREW, adjusting, headlight (hex-hd., 1/4-20NC-2 x 3/4)	9	
	G104-1781860		A265612	A265612	SCREW, contact sleeve to headlight (headless S., No. 10-32NF-2 x 3/16)	3	
	G102-1787095		A226748	A226748	SLEEVE, headlight mounting bracket, assembly	2	
	G122-0389540		A265606	A265606	SPRING, headlight lock spring bushing retainer	3	
	G102-0401349		B226428	B226428	STIFFENER, headlight, assembly	3	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thk.)	1	
	G104-1842656		A265603	A265603	WASHER, rubber, headlight conduit connector	2	
					0609.2—AUXILIARY LIGHTS		
H-4	H104-0193069		A346508	A346508	LAMP, compass	1	
					0611—SIREN AND SWITCHES		
		06-11	C101041-B	C101041	HORN, assembly	1	
			A383889	A383889	PLATE, horn	1	
H-1	H001-5418261		123316		SCREW	1	
H-1	H001-7021741		120423		WASHER, lock, internal teeth, reg., S., 1/4 in.	1	
	G136-0307547	06-11	A276772	A276772	NIPPLE, siren wiring conduit (S., 11/16-24NF-2 x 1 3/4)	1	
	G103-0501140		A158944	A158944	INSULATOR, nipple to siren or horn	1	
H-4	H004-0503059		A213567-A	A213567	NUT, lock, nipple to siren or horn	2	
	G136-0382035		A250507	A250507	SCREW, siren switch to wiring (br., fl-fil-hd., No. 6-32NF-2 x 3/16)	2	



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FIGURE 06-10—BATTERY AND SUPPORT

Key	*Item*	*Part No.*	*Group No.*
A	NUT	218439	0612
B	WASHER	103342	0612
C	CLAMP	C118074	0612
D	BATTERY	B150201-A	0612
E	SUPPORT	D67337	0612
F	BOLT	223599	0612
G	NUT	218565	0612
H	WASHER	A284169-D	0612

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GROUP 06—ELECTRICAL

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0611—SIREN AND SWITCHES (Cont'd)		
	M001-0111081	06-11	C74392-A	C74392	SIREN, 12 volts	1	
H-1	H001-0116002		227433		BOLT, hex-hd., alloy-S., ¼-20NC-2 x ¾	2	
H-1	H001-0718001		220064		NUT, reg., hex., s-fin., S., ¼-20NC-2	2	
H-1	H001-1518007		103319		WASHER, lock, reg., S., ¼ in. (.265 I.D. x .453 O.D. x 1/16 thk.)	2	
	G103-1793650		A298391	A298391	SWITCH, siren, assembly (used on M-8 above odd number 8113; even number 7836)	1	
	G136-0393800	06-8	A250491	A250491	SWITCH, siren, assembly (used on M-8 below odd numbers 8113 and below even numbers 7836)	1	
					(Consists of:		
	G136-0314865		A250506	A250506	1-NUT		
	G136-0382035		A250507	A250507	2-SCREW		
H-1	H001-1519006		115544		2-WASHER		
			A250508	A250508	1-WASHER)		
					0612—BATTERY, BATTERY CABLES		
H-15	H015-0500908	06-10	B150201-A	B150201	BATTERY, storage, assembly (shipped dry with electrolyte separate, use electrolyte B227026)	1	
		06-11	C500907	C500907	BATTERY, storage, assembly (shipped dry with electrolyte separate, use electrolyte B227026) (replaces BATTERY H015-0500908, B150201-A)	1	
	G136-0124276		A283908	A284908	BOLT, special, battery bracket (S., 7/16-14NC-2)	4	
H-1	H001-0924108				RIVET, steel, B-hd., 3/16 x 7/16	12	
	~~G136-0131229~~	06-11	B248766	B248766	CABLE, connecting, battery to master switch	1	
	G136-0131224	06-11	B248718-A	B248718	CABLE, connecting, battery to starter switch solenoid	1	
	G136-0131225	06-11	B248718-B	B248718	CABLE, connecting, engine starter to solenoid	1	
	G136-0137826	06-10	C118074	C118074	CLAMP, battery hold-down, assembly	1	
H-1	H001-0716004	06-10	218439		NUT, jam, hex., s-fin., S., 7/16-14NC-2	4	
H-1	H001-1530010		103342		WASHER, plain, S., SAE, std., 7/16 in. (15/32 I.D. x 15/16 O.D. x 1/16 thk.)	4	
	G136-0140229		C119451	C119451	COVER, storage battery, waterproof paper	1	
	G136-0392850	06-10	D67337	D67337	SUPPORT, battery, assembly	1	
H-1	H001-0116220	06-10	223599		BOLT, hex-hd., s-fin., alloy-S., ⅜-24NF-2 x 1¼	6	
H-1	H001-0718023	06-10	218565		NUT, reg., hex., s-fin., S., ⅜-24NF-2	6	
	G136-0443044	06-10	A284169-D	A284169	WASHER, lock, internal, external tooth ⅜ battery support to hull	12	
	G104-0504461		A213882-C	A213882	TERMINAL, cable, battery to shunt, battery to starter solenoid and solenoid to starter	3	
	G104-5248390		A248390-A	A248390	TERMINAL, .343 hole size, battery cable (supersedes A213882-C)	2	
	G120-7035202		A248390-B	A248390	TERMINAL, .406 hole size, battery cable (supersedes A213882-C)	3	
	G136-0398799		A284121	A284121	TERMINAL, negative, battery cable	1	
H-4	H004-0365705	06-11	B145434-B	B145434	TERMINAL, positive, battery cable	1	

H-1	H001-1518009		103321		WASHER, plain, S., SAE std., 3/8 in. (1 3/32 I.D. x 13/16 O.D. x 1.16 thk.) (battery support bolt)	6
					0613.1—HULL AND CHASSIS WIRING	
		06-11	A284232	A284232	BRACKET, wiring, ignition	1
H-1	H001-4027501		218584		NUT, regular hex., s-fin., S., (NF) 1/4-28NF-2	1
H-1	H001-1026180		173353		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 3/4	1
	G136-0443044		A284169-B	A284169	WASHER, ignition wiring bracket	1
		06-11	C118312	C118312	CABLE, instrument panel to headlights	1
	G136-0447902	06-11	C118329	C118329	CABLE, instrument panel to rear hull, assembly	1
	G136-0447978	06-11	A283900	A283900	CABLE, generator regulator to shunt box, w/CONDUIT, assembly	1
	G136-0447979	06-11	A283901	A283901	CABLE, generator to regulator, w/CONDUIT, assembly	1
	G136-0137825		B247023 (DM-6284)	B247023	CLAMP, water temperature and oil pressure engine units to conduit (replaced by B209188-AA)	4
		06-11	A244731-F	A244731	CLIP, battery to master switch cable	1
			A284405-B	A284405	SCREW, battery to master switch cable clip	1
	G136-0443045		A284169-C	A284169	WASHER, battery to master switch cable clip	2
		06-11	A284542	A284542	CLIP, coil to distributor wire, low tension	1
	G136-0137986	06-11	A276931-B	A276931	CLIP, coil to distributor cable	2
H-1	H001-4027501		218584		NUT, regular, hex., s-fin., S. (NF) 1/4-28NF-2	2
H-1	H001-5150441		143317		SCREW, machine, rd-hd., S., No. 4 (.112) 48NF-2 x 1/2	2
H-1	H001-7020501		174877		WASHER, lock, internal teeth, hv., S., 1/4 in.	2
	G136-0443044		A284169-B	A284169	WASHER, coil to distributor cable clip	2
	G136-0138000		A247044	A247044	CLIP, electrical wiring	4
	G136-0138001	06-11	A284162	A284162	CLIP, ignition wire, low tension	2
		06-11	A284294-A	A284294	CLIP, fuel gage wire	1
		06-11	B247044-C	B247044	CLIP, headlight conduit	2
H-1	H101-0225576		225576		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 3/8	2
	G136-0443044		A284169-B	A284169	WASHER, headlight conduit clip	2
	G104-2576017	06-11	A226899	A226899	CLIP, radio terminal box cable	2
H-1	H001-1026177		225490		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 7/16	2
	G136-0443044		A284169-B	A284169	WASHER, radio terminal box cable clip	2
		06-11	A284296	A284296	CLIP, shunt box wiring conduit to hull	4
H-1	H001-5129531		149515		SCREW, machine, oval-fil-hd., S., 5/16-24NF-2 x 5/8	4
	G136-0443045		A284169-C	A284169	WASHER, shunt box wiring conduit clip	8
		06-11	A284241-A	A284241	CLIP, stoplight switch cable	1
			A284336	A284336	SCREW, stoplight cable clip	1
H-1	H101-0131718		131718		WASHER, lock, internal teeth, reg., S., 7/16 in.	1
	G038-0116240		A145947	A145947	CLIP, switch to cranking motor cable	2
H-1	H001-1026531		189133		SCREW, switch to cranking motor cable clip	2
H-1	H001-1519009		115547		WASHER, switch to cranking motor cable clip	2
	G136-0137987	06-11	A276931-A	A276931	CLIP, taillight cable, left	1
H-1	H001-1026534		225495		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 5/8	1
	G136-0443044		A284169-B	A284169	WASHER, taillight cable clip, left	2

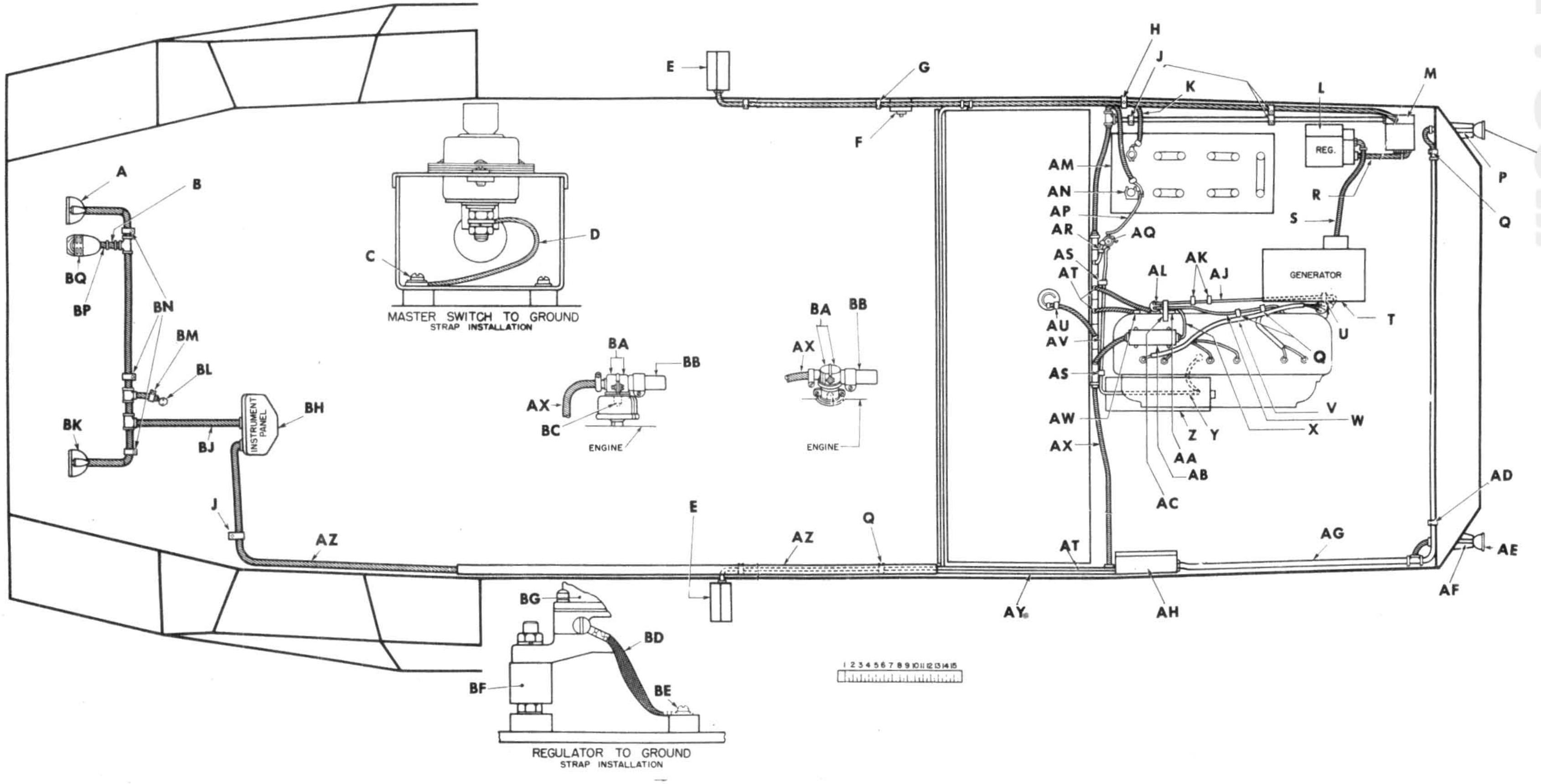

MASTER SWITCH TO GROUND
STRAP INSTALLATION
REGULATOR TO GROUND
STRAP INSTALLATION
INSTRUMENT PANEL
ENGINE
ENGINE
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FIGURE 06-11—ELECTRICAL INSTALLATION

Key	Item	Part No.	Group No.
A	LAMP, head	D59636-B	0609.1
B	NIPPLE	A276772	0611
C	SCREW	225526	0608
	WASHER	A284169-D	0608
D	STRAP, ground	A284175	0608
E	BOX, terminal, radio	C100443	0608
F	SWITCH, master, w/BOX	B248831	0608
G	CLIP	A226899	0613.1
H	CLIP	A244731-F	0613.1
J	CLIP	A284296	0613.1
K	CABLE, battery, ground	B248766	0612
L	REGULATOR	C118073	0602
M	BOX, shunt	C118061	0608
N	LAMP, tail, right	C118378	0609.1
P	PLUG	A213367	0613.1
	PLUG	A283878-A	0613.1
	PLUG	A283878-B	0613.1
	SLEEVE	A213828	0613.1
Q	CLIP	A276931-B	0613.1
R	CABLE	A283900	0613.1
S	CABLE	A283901	0613.1
T	GENERATOR	B249017	0601
U	CLIP	A284542	0613.1
V	HARNESS, ignition wiring	C118119	0605
W	CABLE, ignition	A284132	0605
X	CABLE	B248869	0605
Y	WIRE, automatic choke	B247448	0312
Z	MOTOR, cranking	B248694	0603
AA	UNIT, sending, oil pressure	A277690	0106.6
AB	FILTER, ignition	B247544	0605
AC	BRACKET	A284232	0613.1
AD	CLIP	A276931-A	0613.1
AE	LIGHT, tail, left	C118377	0609.1
AF	PLUG	A283879	0613.1
	PLUG	A213367	0613.1
	PLUG	A283878-A	0613.1
	SLEEVE	A213828	0613.1
AG	CONDUIT, w/wiring	C118328	0613.1
AH	BOX, rear terminal	C118083	0608
AJ	WIRE, w/CONDUIT	A284153	0605
AK	CLIP	A284162	0613.1
AL	COIL	B248695	0605
AM	BATTERY	C500907	0612
AN	TERMINAL, battery	B145434-B	0612
AP	CABLE, battery	B248718-A	0612
AQ	SWITCH, solenoid	B248697	0603
AR	CLIP	A284294-B	0613.1
AS	CLIP	A145947	0613.1
AT	SCREW	225576	0613.1
	WASHER	A284169-B	0613.1
AU	CLIP	A284294-A	0613.1
AV	CABLE	B248718-B	0612
AW	UNIT, water temperature	A297237	0503
AX	WIRE, w/CONDUIT	C118323	0613.1
AY	WIREMOLD	B206766-K	0613.1
	COVER	A244798-X	0613.1
AZ	CABLE	C118329	0613.1
BA	SHIELD, assembly	B209188-A	0613.1
BB	SUPPRESSOR	A285089	0613.1
BC	RECEPTACLE	A244662	0613.1
BD	STRAP	A284135	0613.1
BE	SCREW	190252	0613.1
	WASHER	A284169-B	0613.1
BF	CUSHION	A245203-C	0602
BG	REGULATOR, assembly	C118073	0602
BH	PANEL, instrument	D67520	0607
BJ	CABLE	C118312	0613.1
BK	LIGHT, head	D59771-B	0609.1
BL	SWITCH, stoplight	A283457	0608
BM	CLIP	A284241-A	0613.1
BN	CLIP	B247044-C	0613.1
BP	CONDUIT (used with SIREN C74392-A)	C117391-E	0613.1
	CONDUIT (used with HORN C101041-B)	B7059350	0613.1
BQ	SIREN	C74392-A	0611
	HORN	C101041-B	0611

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GROUP 06—ELECTRICAL

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0613.1—HULL AND CHASSIS WIRING (Cont'd)		
	G136-0137986	06-11	A276931-B	A276931	CLIP, taillight cable, right	3	
H-1	H001-1026534		225495		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 5/8	3	
	G136-0443044		A284169-B	A284169	WASHER, taillight cable clip, right	6	
			A284294-B	A284294	CLIP, wiring conduit to solenoid switch	1	
		06-11	B7059350	B7059350	CONDUIT, horn, assembly	1	
		06-11	C117391-E	C117391	CONDUIT, siren, assembly	1	
	G176-6248758		B248758	B248758	CONDUIT, hull mounted, battery charging generator to regulator, w/WIRE	1	
	G136-6248977		B248977	B248977	CONDUIT, hull mounted, battery charging generator regulator to shunt box, w/WIRE	1	
H-4	H004-0328255		A214439	A214439	CONNECTOR, blackout light, to head and taillight	3	
		06-11	A244798-X	A244798	COVER, wiremold	1	
	G402-5172431		A172431	A172431	ELBOW, taillight wiring conduit (bz., 1-3/16-18NF-3)	6	
	G136-0447901	06-11	C118328	C118328	HARNESS, taillight wiring, w/CONDUIT, assembly	1	
	G104-1847876		A226750	A226750	HARNESS, wiring blackout headlight connector, assembly	1	
	G104-2579825		A226749	A226749	HARNESS, wiring, headlight, assembly	2	
	G136-0447900	06-11	C118323	C118323	HARNESS, wiring, instrument panel, assembly	1	
	G136-0232827		A248315	A248315	INSULATOR, rubber wire terminal ends	A.R.	
	G136-0340690	06-11	A283878-A	A283878	PLUG, blackout tail and service light, w/CABLE, assembly (orange with black tracer)	2	
	G136-0340691	06-11	A283879	A283879	PLUG, service, tail and stop light, w/CABLE, assembly (double orange cable)	1	
	G136-0340689	06-11	A283878-B	A283878	PLUG, blackout stop light, single tan wire, w/WIRE	1	
	G104-1740522	06-11	A213367	A213367	PLUG, blackout stop light and taillight, w/WIRE, assembly	2	
	G104-1767200	06-11	A244662	A244662	RECEPTACLE, snap on	1	
H-1	H101-0225576	06-11	225576		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 3/8 (attaching wire manifold to hull)	3	
H-1	H001-1024001		224423		SCREW, mach., oval-fil-hd., br., No. 2 (.086)-56NC-2 x 1/8 (taillight plugs)	12	
H-1	H001-6762602		A265621	A265621	SCREW, rd-hd., S., No. 8-32NF-2 x 1/4, slotted (headlight ground cable)	6	
	G210-7008854	06-11	B209188-A	B209188	SHIELD, wire terminal, assembly	2	
	G104-5213828		A213828	A213828	SLEEVE, taillight tube	2	
	G136-0387114		A248318	A248318	SLEEVE, wire	A.R.	
	G103-2388846		A213368	A213368	SOCKET, taillight wiring harness end	2	
	G136-0388870		(FM-GAD-13790)		SOCKET, taillight, w/CABLE, assembly	3	
	G136-0392246	06-11	A284135	A284135	STRAP, regulator to ground	1	
H-1	H001-1026533	06-11	190252		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 1/2	1	
	G136-0443044	06-11	A284169-B	A284169	WASHER, regulator ground strap	1	
	G136-5285089	06-11	A285089	A285089	SUPPRESSOR, oil pressure sending unit	1	

	G104-1531210		A248319	A248319	TERMINAL, cable end	A.R.
	G104-1531211		A248320	A248320	TERMINAL, cable end, eyelet type	A.R.
	G136-0398793		A248383-B	A248383	TERMINAL, generator regulator to shunt cable	2
	G104-1531220		A248332	A248332	TERMINAL, wire end	A.R.
	G136-0407830		B248872	B248872	TUBE, conduit tee to shunt box, rigid	1
	G136-0443044	06-11	A284169-B	A284169	WASHER, attaching wire manifold to hull	5
	G136-0443045		A284169-C (SK-4018-24)	A284169	WASHER, lock, 5/16, tooth type wiring, harness ground contact screw	26
	G136-0443041		A284169-A (SK-4014-18)	A284169	WASHER, lock, No. 10, tooth type, harness wiring ground contact	16
	G104-1847827		A265614	A265614	WIRE, headlight and blackout ground, assembly	3
		06-11	B206766-K	B206766	WIREMOLD, electrical harness	1

GROUP 07—TRANSMISSION

0700—TRANSMISSION ASSEMBLY

	G136-0406050	07-1,2,3 09-1	D67357 (WG-T95)	D67357	TRANSMISSION, w/driving FLANGE, assembly	1
H-1	H001-0718025	07-1	218571 (WG-X-1730)		NUT, reg., hex., s-fin., S., 1/2-20NC-2	4
	G136-0392320	07-1	A276871 (WG-4544-B)	A276871	STUD, transmission to clutch housing (1/2-20NC-2 (3/4) x 2 1/16 x 1/2-13NC-2 (9/16)	4
H-1	H001-1518011	07-1	103323 (WG-X-2980)		WASHER, lock, reg., S., 1/2 (.515 I.D. x .859 O.D. x 1/8 thick)	4

0701—TRANSMISSION CASE, COVERS, SEALS, RETAINERS

H-1	H001-0116026	07-1	227510 (WG-X-745)		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1 (transmission main shaft rear bearing cap)	4
	G136-0131550	07-1	B247238 (WG-T95-5)		CAP, transmission countershaft front bearing	1
H-1	H001-0116026	07-1	227510 (WG-X-745)		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	4
H-1	H001-1519011	07-1	115549 (WG-X-2978-D)		WASHER, lock, internal teeth, reg., S., 3/8	4
	G136-0131549	07-1	B247234 (WG-T95-4)		CAP, transmission countershaft rear bearing	1
H-1	H001-0116013	07-1	227457 (WG-X-801)		BOLT, hex-hd., s-fin., alloy-S., 5/16-18NC-2 x 3/4	4
	G134-0193818	07-1	A276904-A (WG-T95-5 1/2-A)	A276904	GASKET, countershaft front bearing cap (.015 thk.)	A.R.
	G136-0194053	07-1	B248764 (WG-T95-145 1/2)	B248764	GASKET, main shaft transmission bearing retainer (.010 thk.)	A.R.
	G134-0193822	07-1	C117471 (WG-T95-96)	C117471	GASKET, transmission case cover	1

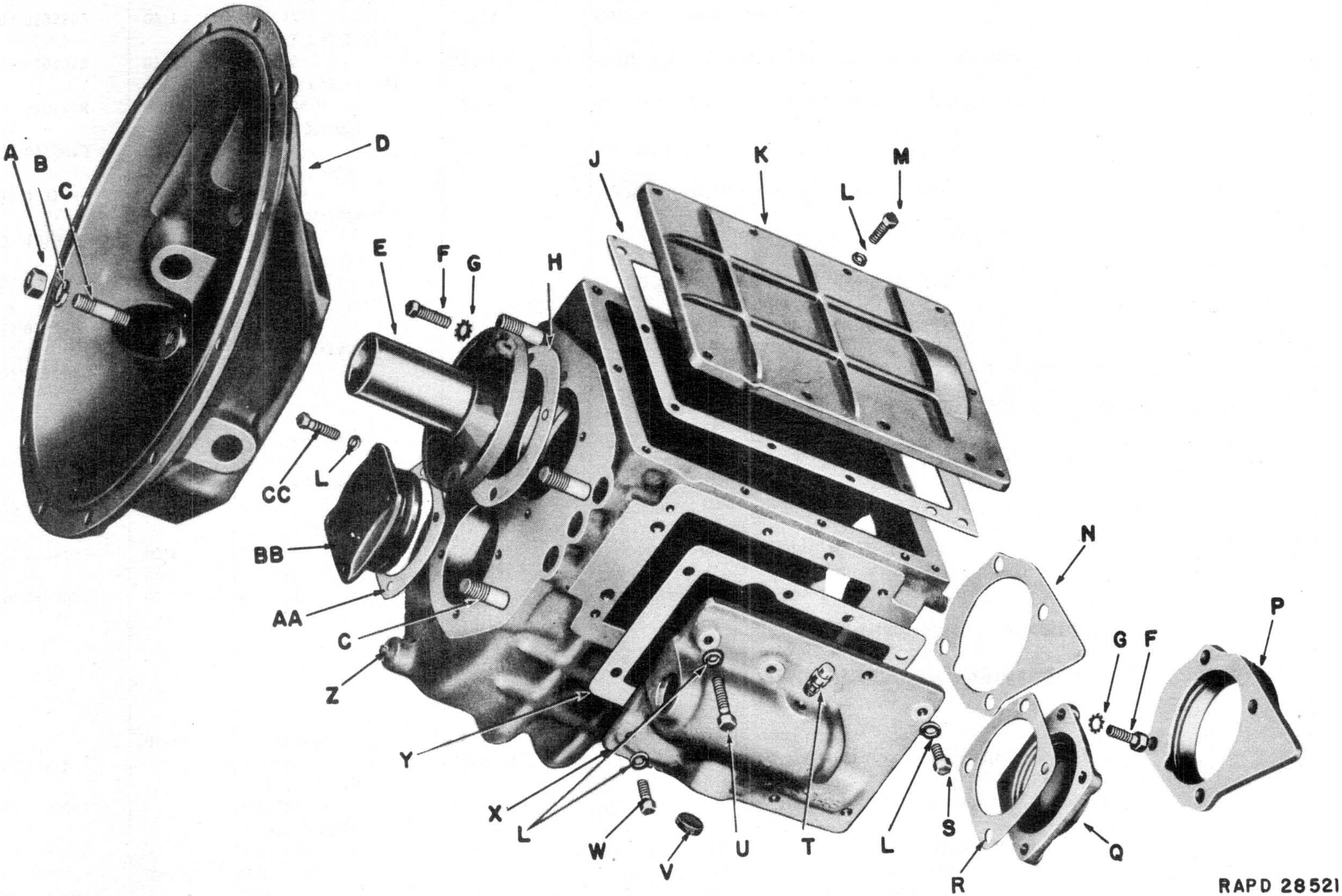


FIGURE 07-1—TRANSMISSION CASE, COVERS, AND GASKETS (EXPLODED)

FIGURE 07-1—TRANSMISSION CASE, COVERS, AND GASKETS (EXPLODED)

Key	Item	Part No.	Group No.
A	NUT	218571	0700
B	WASHER	103323	0700
C	STUD	A276871	0700
D	HOUSING	D67250	0200
E	RETAINER	B247237	0701
F	BOLT	227510	0701
G	WASHER	115549	0701
H	GASKET	A276903	0701
	GASKET	A276903-A	0701
	GASKET	A276903-B	0701
	GASKET	A276903-C	0701
J	GASKET	C117471	0701
K	PLATE	D67246	0701
L	WASHER	103320	0701
M	BOLT	227461	0701
N	GASKET	B248764	0701
	GASKET	B248764-A	0701
	GASKET	B248764-B	0701
	GASKET	B248764-C	0701
P	RETAINER	B248765	0701
Q	CAP	B247238	0701
R	GASKET	A276904	0701
	GASKET	A276904-A	0701
	GASKET	A276904-B	0701
	GASKET	A276904-C	0701
S	BOLT	227458	0704
T	PLUG	A283318	0704
U	BOLT	227466	0704
V	PLUG	A276913	0704
W	BOLT	227465	0704
X	HOUSING	D67249	0704
Y	GASKET	B247043	0704
Z	BALL	104919	0706.1
	SPRING	A276873	0706.1
	PLUG	219187	0704
AA	GASKET	A276891	0701
BB	CAP	B247234	0701
CC	BOLT	227457	0701

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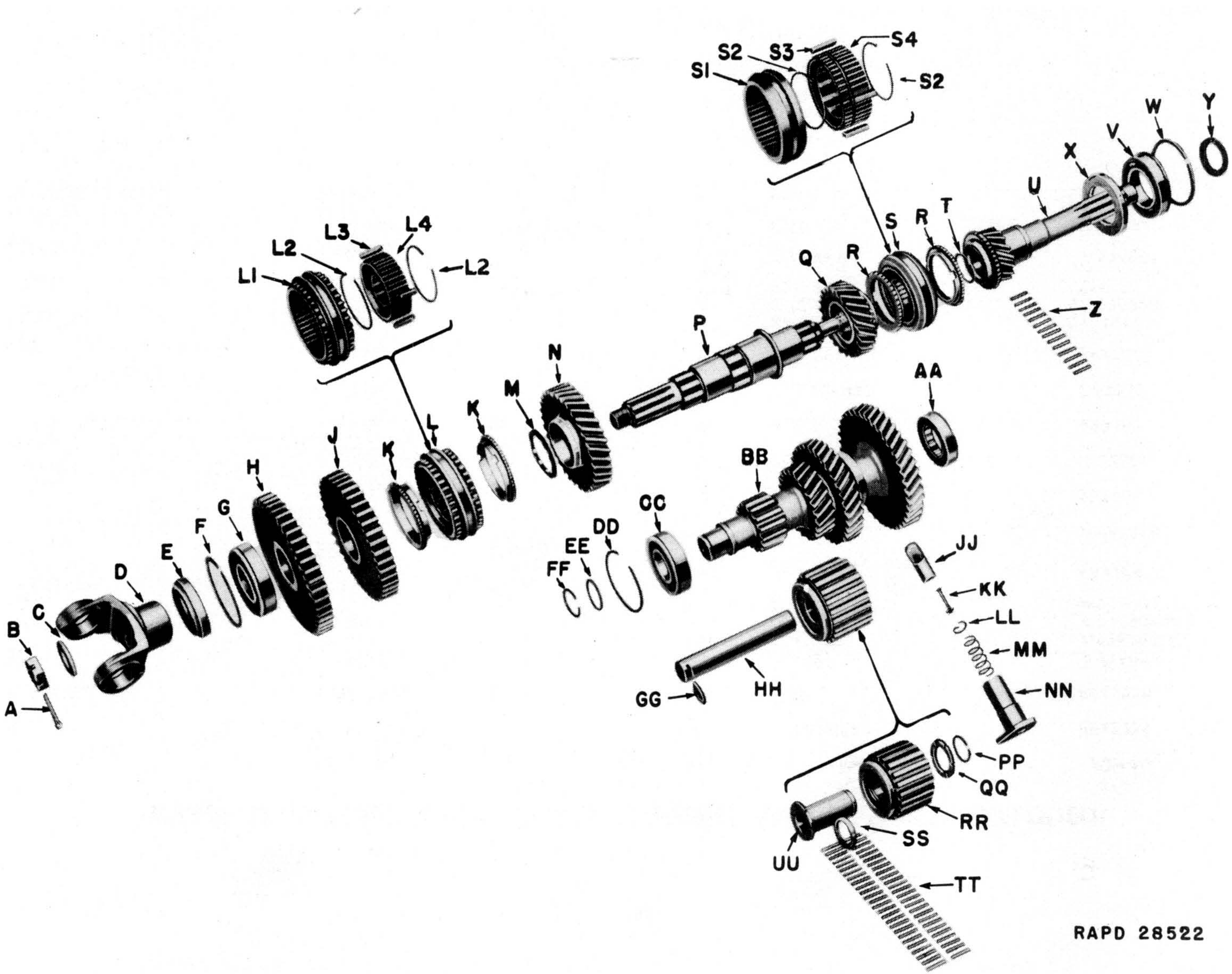


FIGURE 07-2—TRANSMISSION GEARS, BEARINGS, AND SHAFTS (EXPLODED)

FIGURE 07-2—TRANSMISSION GEARS, BEARINGS, AND SHAFTS (EXPLODED)

Key	Item	Part No.	Group No.
A	PIN	103387	0702.2
B	NUT	A276924	0702.2
C	WASHER	A283188	0702.2
D	FLANGE	B248693	0900
E	SEAL, oil	A283039	0701
F	SNAP RING	A276889	0702.2
G	BEARING	A276888	0702.2
H	GEAR	C117476	0702.2
J	GEAR	C117475	0702.2
K	RING	B247333	0702.2
L	SYNCHRONIZER	B247331	0702.2
L-1	SLEEVE (Part of B247331)	C117474	0702.2
L-2	SPRING (Part of B247331)	A276885	0702.2
L-3	PLATE (Part of B247331)	A276886	0702.2
L-4	HUB (Part of B247331)	B247332	0702.2
M	WASHER	B247230	0702.2
N	GEAR	C117473	0702.2
P	SHAFT	D67247	0702.2
Q	GEAR	C117472	0702.2
R	RING	B247229	0702.2
S	SYNCHRONIZER	B247226	0702.2
S-1	SLEEVE (Part of B247226)	B247228	0702.2
S-2	SPRING (Part of B247226)	A276882	0702.2
S-3	PLATE (Part of B247226)	A276881	0702.2
S-4	HUB (Part of B247226)	B247227	0702.2
T	SNAP RING	A276907	0702.2
U	SHAFT, w/GEAR	B247239	0702.1
V	BEARING	A276906	0702.1
W	SNAP RING	A276889	0702.2
X	MANIFOLD	B247291	0706.1
Y	SEAL	A276909	0702.1
Z	ROLLER	A276908	0702.2
AA	BEARING	A276892	0702.3
BB	COUNTERSHAFT, w/GEAR cluster	D67248	0702.3
CC	BEARING	A276893	0702.3
DD	SNAP RING	A276894	0702.3
EE	WASHER	A276895	0702.3
FF	SNAP RING	A276896	0702.3
	SNAP RING	A276896-A	0702.3
	SNAP RING	A276896-B	0702.3
FF	SNAP RING	A276896-C	0702.3
	SNAP RING	A276896-D	0702.3
GG	LOCK	A276901	0702.3
HH	SHAFT	A276900	0702.3
JJ	PISTON	A276967	0706.1
KK	GUIDE	A276875	0706.1
LL	SNAP RING	A276877	0706.1
MM	SPRING	A276879	0706.1
NN	HOUSING	B247225	0706.1
PP	SNAP RING	A276899	0702.3
QQ	WASHER	B247253	0702.3
RR	GEAR	C117481	0702.3
SS	SPACER	A276898	0702.3
TT	ROLLER	A276897	0702.3
UU	SLEEVE	B247252	0702.3

RA PD 28522C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0701—TRANSMISSION CASE, COVERS, SEALS, RETAINERS (Cont'd)		
	G136-0194043	07-1	A276891 (WG-T95-4$\frac{1}{2}$)	A276891	GASKET, transmission countershaft front bearing cap	1	
	G134-0193817	07-1	A276904 (WG-T95-5$\frac{1}{2}$)	A276904	GASKET, transmission countershaft front bearing cap (.010 thk.)	A.R.	
	G134-0193819	07-1	A276904-B (WG-T95-5$\frac{1}{2}$-B)	A276904	GASKET, transmission countershaft bearing cap (.020 thk.)	A.R.	
	G134-0193820	07-1	A276904-C (WG-T95-5$\frac{1}{2}$-C)	A276904	GASKET, transmission countershaft rear bearing cap (.025 thk.)	A.R.	
	G136-0193863	07-1	A276903 (WG-T95-145)	A276903	GASKET, transmission main drive gear bearing retainer (.010 thk.)	A.R.	
	G134-0193864	07-1	A276903-A (WG-T95-145-A)	A276903	GASKET, transmission main drive gear bearing retainer (.015 thk.)	A.R.	
	G134-0193865	07-1	A276903-B (WG-T95-145-B)	A276903	GASKET, transmission main drive gear bearing retainer (.020 thk.)	A.R.	
	G134-0193866	07-1	A276903-C (WG-T95-145-C)	A276903	GASKET, transmission main drive gear bearing retainer (.025 thk.)	A.R.	
	G136-0194054	07-1	B248764-A (WG-T95-145$\frac{1}{2}$)	B248764	GASKET, transmission main shaft bearing retainer (.015 thk.)	A.R.	
	G136-0194055	07-1	B248764-B (WG-T95-145$\frac{1}{2}$-E)	B248764	GASKET, transmission main shaft bearing retainer (.020 thk.)	A.R.	
	G136-0194056	07-1	B248764-C (WG-T95-145$\frac{1}{2}$-F)	B248764	GASKET, transmission main shaft bearing retainer (.025 thk.)	A.R.	
	G136-0340209	07-1	D67246 (WG-T95-95)	D67246	PLATE, transmission top cover	1	
H-1	H001-0116015	07-1	227461 (WG-X-803-S)		BOLT, hex-hd., s-fin., alloy-S., $\frac{5}{16}$-18NC-2 x 1	9	
H-1	H001-0116026	07-1	227510 (WG-X-745)		BOLT, hex-hd., s-fin., alloy-S., $\frac{3}{8}$-16NC-2 x 1	2	
H-1	H001-1518008	07-1	103320 (WG-X-2977)		WASHER, lock, reg., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{1}{16}$ thk.)	9	
	G136-0340663		A276968 (WG-X-1520-M)	A276968	PLUG, pipe, drain, magnetic transmission ($\frac{3}{4}$-14)	1	
H-6	H006-0283820		219301		PLUG, pipe, sq-hd., black, $\frac{3}{4}$ (transmission filler)	1	
	G136-0367638	07-1	B247237 (WG-T95-6)	B247237	RETAINER, transmission main drive gear bearing	1	
H-1	H001-0116026	07-1	227510		BOLT, hex-hd., s-fin., $\frac{3}{8}$-16NC-2 x 1	4	
H-1	H001-1519011	07-1	115549		WASHER, lock, internal teeth, reg., S., $\frac{3}{8}$ in.	4	

	G136-0367639	07-1	B248765 (WG-T95-7-A)	B248765	RETAINER, transmission main shaft bearing	1
H-1	H001-0116026	07-1	227510		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	4
H-1	H001-1519011	07-1	115549		WASHER, lock, internal teeth, 3/8 in.	4
	G134-0382884	07-2	A283039	A283039	SEAL, oil, transmission main shaft, front bearing (CM11728-A)	1
					0702.1—TRANSMISSION MAIN DRIVE GEAR, BEARINGS, SPACERS	
H-12	H012-1333050	07-2	A276906 (WG-X32-07-A)	A276906	BEARING, transmission drive gear	1
	G134-0369774		A276910 (WG-T-95-62)	A276910	SNAP RING, transmission main drive gear (.093 thk.)	1
	G134-0369775		A276910-A (WG-T95-62-A)	A276910	SNAP RING, transmission main drive gear (.090 thk.)	A.R.
	G134-0369776		A276910-B (WG-T95-62-B)	A276910	SNAP RING, transmission main drive gear (.087 thk.)	A.R.
	G134-0369777		A276910-C (WG-T95-62-C)	A276910	SNAP RING, transmission main drive gear (.084 thk.)	A.R.
	G134-0382894	07-2	A276909 (WG-T95-54)	A276909	SEAL, oil, transmission main shaft rear bearing retainer	1
	G136-0196030	07-2	B247239 (WG-1AT95-16)	B247239	SHAFT, transmission main drive, w/GEAR, assembly	1
					(Consists of:	
	G136-0115715		A276905	A276905	1–BAFFLE	
			B247240	B247240	1–GEAR	
	G136-0196006		C117478	C117478	1–GEAR	
	G136-0336149		A276937	A276937	1–PIN)	
					0702.2—TRANSMISSION MAIN SHAFT, GEARS, BEARINGS, SPACERS	
H-12	H012-1334040	07-2	A276888 (WG-X-3221-H)	A276888	BEARING, transmission main shaft, front (FB-1308)	1
	G134-0369745	07-2	A276889 (WG-T93-7½)	A276889	SNAP RINGS, retaining, transmission main shaft front bearing	2
	G136-0132619		D67399 (WG-T95-1-A)	D67399	CASE, transmission	1
	G134-0196027	07-2	C117475 (WG-T95-12)	C117475	GEAR, low speed transmission main shaft	1
	G134-0196031	07-2	C117476 (WG-T95-36)	C117476	GEAR, reverse speed transmission main shaft	1
	G134-0196030	07-2	C117473 (WG-T95-31)	C117473	GEAR, 2nd speed, transmission main shaft	1
	G134-0196060	07-2	C117472 (WG-T95-11)	C117472	GEAR, 3rd speed transmission main shaft	1
	G136-0314867	07-2	A276924 (WG-T95-50)	A276924	NUT, retaining, transmission main shaft, universal joint yoke (hex-hd., 1-20NEF)	1

GROUP 07—TRANSMISSION

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0702.2—TRANSMISSION MAIN SHAFT, GEARS, BEARINGS, SPACERS (Cont'd)		
H-1	H001-0811054	07-2	103387		PIN, cotter, split, S. (type B), 1/8 x 1 1/2 (transmission main shaft, universal joint yoke retaining nut)	1	
	G134-0369779	07-2	B247333 (WG-T95-83)	B247333	RING, transmission, 1st and 2nd speed synchronizer brake	2	
	G134-0369746	07-2	B247229 (WG-T95-14)	B247229	RING, transmission, 3rd and 4th speed synchronizer	2	
	G134-0373345	07-2	A276908 (WG-T95-26)	A276908	ROLLER, transmission main shaft pilot bearing	13	
	G134-7002005		7002005 (WG-1AT-95-2)		SHAFT, transmission, main, partial, assembly	1	
					(Consists of:		
	G134-0196060		(WG-AT-95-11)		1–GEAR and BUSHING, third speed, assembly		
	G136-0196019		C117473	C117473	1–GEAR, transmission main shaft, second speed, assembly		
	G134-0221022		B247227	B247227	1–HUB		
	G134-0221023		B247332	B247332	1–HUB		
	G134-0340300		A276881	A276881	4–PLATE		
	G134-0340301		A276886	A276886	4–PLATE		
	G134-0369746		B247229	B247229	2–RING, blocking synchronizer		
	G134-0369779		B247333	B247333	2–RING, first and second synchronizer blocking		
	G134-0384658		D67247	D67247	1–SHAFT, main, transmission		
	G134-0386171		B247228	B247228	1–SLEEVE		
	G134-0386172		C117474	C117474	1–SLEEVE		
	G134-0369782		A276883	A276883	1–SNAP RING, main drive gear		
	G136-0389818		A276882	A276882	2–SPRING		
	G136-0389819		A276885	A276885	2–SPRING		
	G134-0395099		B247331	B247331	1–UNIT, synchronizer, first and second speed, assembly		
	G136-0395120		B247226	B247226	1–UNIT, synchronizer, third and fourth speed, assembly		
	G134-0442609		B247230	B247230	1–WASHER, thrust, second speed gear)		
	G134-0369747	07-2	A276907 (WG-T95-25)	A276907	SNAP RING, retainer, transmission main shaft pilot bearing	1	
	G134-0369782		A276883 (WG-4559-B)	A276883	SNAP RING, transmission 3rd and 4th speed synchronizer clutch	1	
	G136-0389819	07-2	A276885 (WG-4682-N)	A276885	SPRING, 1st and 2nd speed synchronizer	2	
	G136-0389818	07-2	A276882 (WG-4682-M)	A276882	SPRING, 3rd and 4th speed synchronizer	2	

	G134-0395099	07-2	B247331 (WGA-T95-80)	B247331	SYNCHRONIZER, 1st and 2nd speed, assembly	1
					(Consists of:	
	G134-0386172		C117474	C117474	1–CLUTCH	
	G134-0221023		B247332	B247332	1–HUB	
	G134-0340301		A276886	A276886	3–PLATE	
	G136-0389819		A276885	A276885	2–SPRING)	
	G136-0395120	07-2	B247226 (WG-AT-95-2½)	B247226	SYNCHRONIZER, 3rd and 4th speed, assembly	1
					(Consists of:	
	G134-0386171		B247228	B247228	1–CLUTCH	
	G134-0221022		B247227	B247227	1–HUB	
	G134-0340300		A276881	A276881	3–PLATE	
	G136-0389818		A276882	A276882	1–SPRING)	
	G134-0424609	07-2	B247230 (WG-T95-63)	B247230	WASHER, thrust, transmission 2nd speed gear	1
	G134-0442633	07-2	A283188 (WG-J-450½)	A283188	WASHER, transmission main shaft universal joint yoke	1
					0702.3—TRANSMISSION COUNTERSHAFT, REVERSE IDLER, GEARS, BEARINGS, SPACERS	
H-12	H012-1334035	07-2	A276893 (WG-X-3220-G)	A276893	BEARING, ball, front, single row, transmission countershaft	1
H-12	H012-0707617	07-2	A276892 (WG-X-4058)	A276892	BEARING, roller, rear, transmission countershaft	1
H-1	H001-0116024	07-2	227476		BOLT, hex-hd., s-fin., alloy-S., ⅜-16NC-2 x ¾ (transmission reverse idler shaft lock)	2
	G134-0196025	07-2	D67248 (WG-T95-8)	D67248	COUNTERSHAFT, transmission, w/GEAR CLUSTER, assembly	1
	G134-0176026	07-2	C117481 (WG-T95-10)	C117481	GEAR, transmission reverse idler	1
	G134-0279846	07-2	A276901 (WG-T95-48)	A276901	LOCK, retaining, transmission reverse idler shaft	1
	G134-0373346	07-2	A276897 (WG-T95-86)	A276897	ROLLER, transmission reverse idler gear bearing	54
	G501-0384626	07-2	A276900 (WG-T95-35)	A276900	SHAFT, transmission reverse idler	1
	G136-0387111	07-2	B247252 (WG-T95-85)	B247252	SLEEVE, transmission idler shaft	1
	G134-0369744	07-2	A276894 (WG-T81-6½)	A276894	SNAP RING, locating, transmission countershaft front bearing	1
	G134-0369748	07-2	A276896 (WG-T95-61)	A276896	SNAP RING, transmission countershaft front bearing	A.R.
	G134-0369749	07-2	A276896-A (WG-T95-61-A)	A276896	SNAP RING, transmission countershaft front bearing (.082 thk.)	A.R.

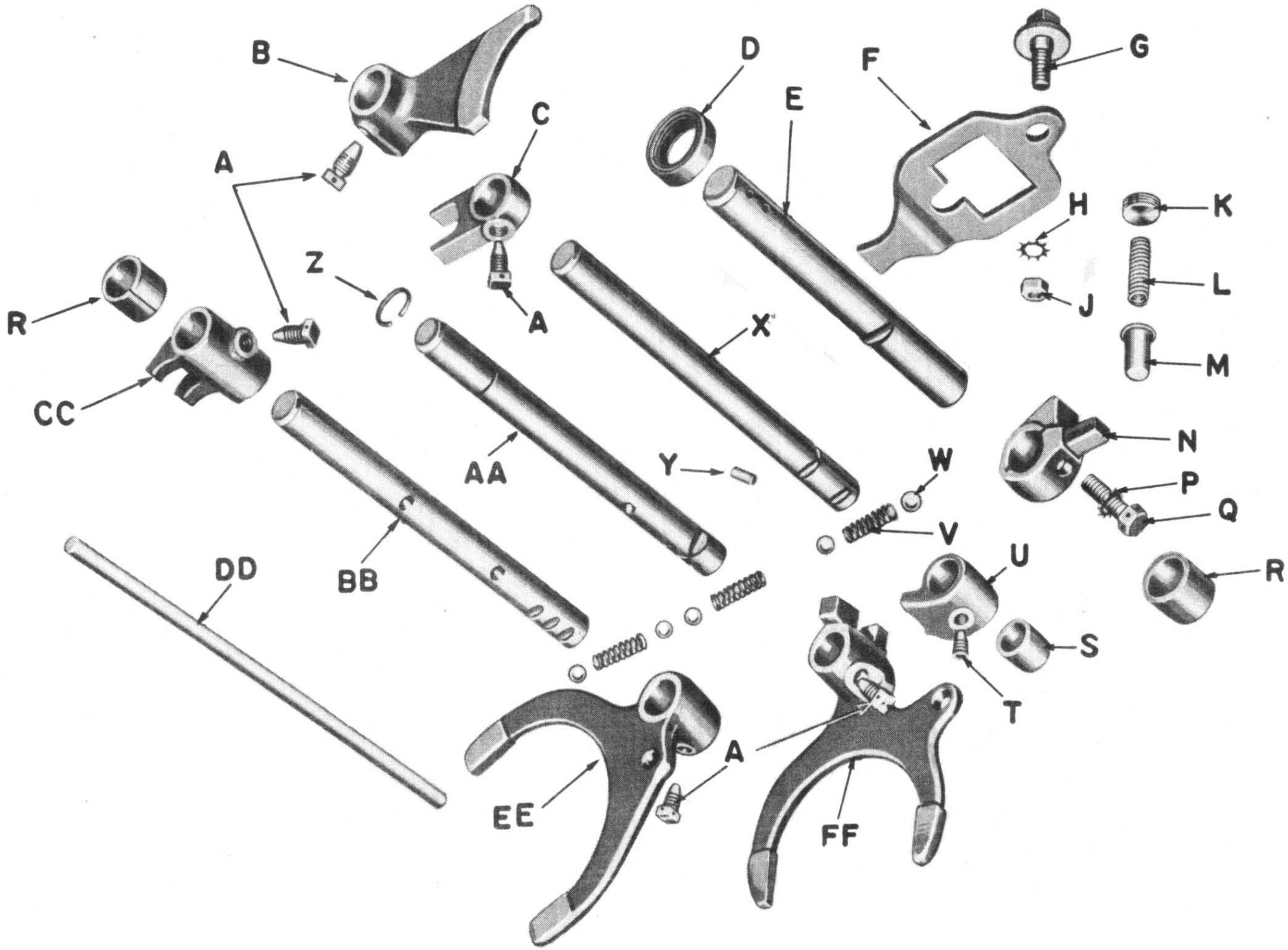


FIGURE 07-3—TRANSMISSION GEAR SHIFT FORK AND RAILS (EXPLODED)

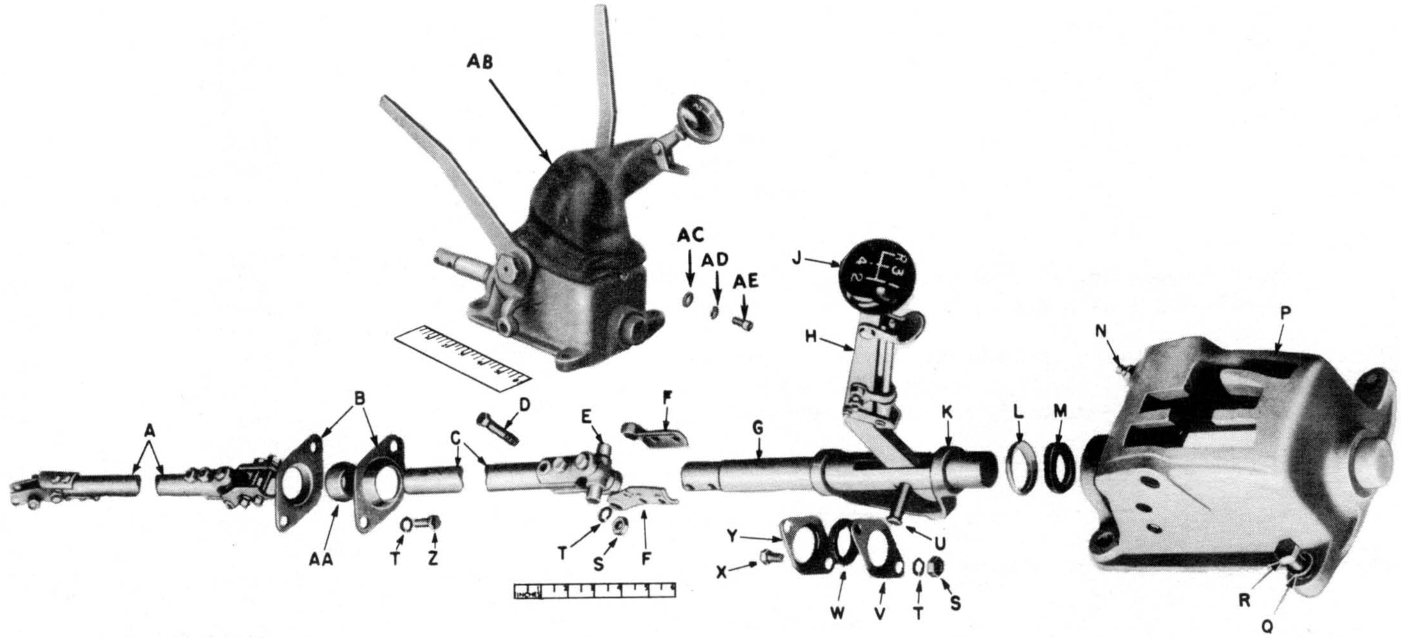
FIGURE 07-3—TRANSMISSION GEAR SHIFT FORK AND RAILS (EXPLODED)

Key	Item	Part No.	Group No.
A	SCREW	A283275	0704
B	FORK	B247247	0704
C	GUIDE	A276916	0704
D	SEAL, oil	A276919	0704
E	SHAFT	B248763	0704
F	PLATE	B247242	0704
G	PIVOT	A276914	0704
H	WASHER	115548	0704
J	NUT	220065	0704
K	PLUG	A276913	0704
L	SPRING	A283921	0704
M	PLUNGER	A276911	0704
N	LEVER	B247248	0704
P	WASHER	115549	0704
Q	SCREW	A276938	0704
R	PLUG	A283223	0704
S	SPACER	A276918	0704
T	SCREW	A284262	0704
U	HEAD	B247245	0704
V	SPRING	A276923	0704
W	BALL	104920	0704
X	SHAFT	B247251	0704
Y	PLUNGER	A276922	0704
Z	SNAP RING	A276927	0704
AA	SHAFT	B247243	0704
BB	SHAFT	B247244	0704
CC	HEAD	B247246	0704
DD	SHAFT	A276915	0704
EE	FORK	C117480	0704
FF	FORK	C117479	0704

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GROUP 07—TRANSMISSION

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0702.3—TRANSMISSION COUNTERSHAFT, REVERSE IDLER, GEARS, BEARINGS, SPACERS (Cont'd)		
	G134-0369771	07-2	A276896-B (WG-T95-61-B)	A276896	SNAP RING, transmission countershaft front bearing (.085) thk.)	A.R.	
	G134-0369772	07-2	A276896-C (WG-T95-61-C)	A276896	SNAP RING, transmission countershaft front bearing (.088 thk.)	A.R.	
	G134-0369773	07-2	A276896-D (WG-T95-61-D)	A276896	SNAP RING, transmission countershaft front bearing (.091 thk.)	A.R.	
	G134-0369780	07-2	A276899 (WG-T95-88)	A276899	SNAP RING, transmission reverse idler shaft sleeve	1	
	G134-0389406	07-2	A276898 (WG-T95-87)	A276898	SPACER, transmission reverse idler gear bearing roller	1	
H-1	H001-1519011		115549		WASHER, lock, internal teeth, reg., S., 3/8 in. (reverse idler shaft lock)	1	
	G134-0442608	07-2	A276895 (WG-T95-59)	A276895	WASHER, retainer, transmission countershaft bearing, front	1	
	G136-0443023	07-2	B247253 (WG-T95-84)	B247253	WASHER, thrust, transmission reverse idler gear	1	
					0704—TRANSMISSION, SHIFTER CONTROLS		
H-2	H002-0100140	07-3	104920 (WG-K-40-22)		BALL, steel, 3/8 diam. (transmission shifter shaft	7	
	G134-5284021	07-4	A284021	A284021	BEARING, bronze, self lubricating, transmission gear shifter rod	1	
	G136-0131554	07-4	A283913	A283913	CAP, transmission gear shifter rod universal joint	12	
	G136-0115853	07-4	A283912	A283912	BOLT, hex-hd., S., transmission shifter rod universal joint cap (5/16-24 x 1.577)	12	
H-1	H001-0718022	07-4	218564		NUT, reg., hex., s-fin., S., 5/16-24NF-2	12	
H-1	H001-1518008	07-4	103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thk.)	12	
		07-4	C118203	C118203	COVER, gear shift levers	1	
H-1	H001-1026533	07-4	190252		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 1/2	1	
H-1	H001-1518006	07-4	106598		WASHER, lock, reg., S., No. 12 (.216) (.226 I.D. x .351 O.D. x 1/16 thk.)	1	
H-1	H001-1530006	07-4	147577		WASHER, plain, S., SAE std., No. 12 (.216) (1/4 I.D. x 9/16 O.D. x 1/16 thk.)	1	
H-2	H002-0504208	07-4	504208 (AD-1980)		FITTING, lubricating, 1/8-NPT (transmission gear shifter lever)	3	
	G134-0186805	07-3	C117480 (WG-T95-24)	C117480	FORK, shifter, transmission, 1st and 2nd gear	1	
	G121-0382158	07-3	A283275 (WG-4418)	A283275	SCREW, transmission shifter fork lock (3/8-24NF-2 x 27/32)	1	
	G134-0186800	07-3	C117479 (WG-T95-23)	C117479	FORK, shifter transmission 3rd and direct gear	1	
	G121-0382158	07-3	A283275 (WG-4418)	A283275	SCREW, transmission shifter fork lock (3/8-24NF-2 x 27/32)	1	



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FIGURE 07-4—TRANSMISSION GEAR SHIFTS LEVER AND RODS (EXPLODED)

Key	Item	Part No.	Group No.
A	ROD	A283872	0704
B	RETAINER	A284020	0704
C	ROD	A283873	0704
D	BOLT	A283912	0704
E	JOINT	A283911	0704
F	CAP	A283913	0704
G	SHAFT	B248782	0704
H	LEVER, assembly	B248783	0704
J	KNOB	A283877	0704
K	GUIDE	B248747	0704
L	RETAINER	A283987	0704
M	SEAL	A283994	0704
N	FITTING	504208	0704
P	HOUSING	C118137	0704
Q	WASHER, lock	103320	0704
R	BOLT	223599	0704
S	NUT	218564	0704
T	WASHER, lock	103320	0704
U	PIN	114785	0704
V	RETAINER	A284222	0704
W	SEAL	A283994	0704
X	SCREW	215933	0704
Y	RETAINER	A283993	0704
Z	SCREW	223585	0704
AA	BEARING	A284021	0704
AB	COVER, gear shift	C118203	0704
AC	WASHER, plain	147577	0704
AD	WASHER, lock	106498	0704
AE	SCREW	190252	0704

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GROUP 07—TRANSMISSION

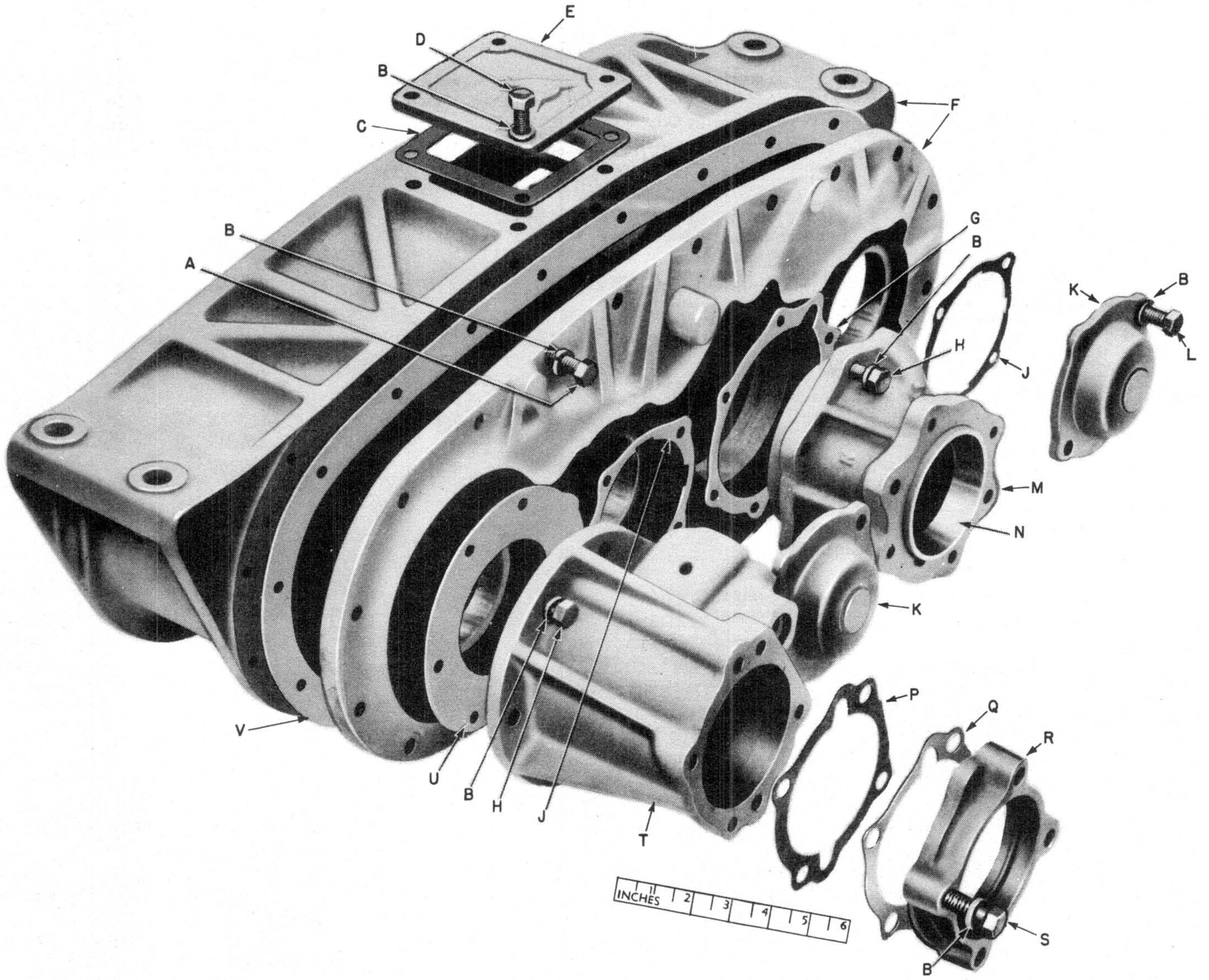
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0704—TRANSMISSION, SHIFTER CONTROLS (Cont'd)		
	G134-0186810	07-3	B247247 (WG-T95-51)	B247247	FORK, shifter transmission, reverse speed	1	
	G121-0382158	07-3	A283275 (WG-4418)	A283275	SCREW, transmission gear shifter fork (3/8-24NF-2 x 27/32)	1	
	G134-0193858	07-1	B247043 (WG-T95-115)	B247043	GASKET, transmission gear shifter control housing	1	
	G136-0205586		B248747	B248747	GUIDE, transmission gear shift lever	1	
	G134-0205584	07-3	A276916 (WG-T95-29)	A276916	GUIDE, transmission gear shifter shaft	1	
	G121-0382158	07-3	A283275 (WG-4418)	A283275	SCREW, transmission shifter rail guide lock (3/8-24NF-2 x 27/32)	1	
	G136-0211401	07-3	B247246 (WG-T95-38)	B247246	HEAD, transmission shifter, 1st and 2nd speed	1	
	G121-0382158	07-3	A283275 (WG-4418)	A283275	SCREW, shifter head lock (3/8-24NF-2 x 27/32)	1	
	G136-0211400	07-3	B247245 (WG-T95-37)	B247245	HEAD, transmission shifter, reverse	1	
	G067-2400920		A284262 (WG-4418-C)	A284262	SCREW, set, transmission reverse shifter head shaft (3/8-24NF-2 x 9/16)	1	
	G136-0217865	07-1	D67249 (WG-T95-148)	D67249	HOUSING, transmission control	1	
H-1	H001-0116014	07-1	227458 (WG-X-802)		BOLT, hex-hd., s-fin., alloy-S., 5/16-18NC-2 x 7/8	4	
H-1	H001-0116016	07-1	227465		BOLT, hex-hd., s-fin., alloy-S., 5/16-18NC-2 x 1 1/4	2	
H-1	H001-0116017	07-1	227466		BOLT, hex-hd., s-fin., alloy-S., 5/16-18NC-2 x 1 1/2	2	
H-1	H001-1519010		115548 (WG-X-2977-D)		WASHER, lock, internal teeth, reg., S., 5/16 in.	2	
H-1	H001-1518008	07-1	103320		WASHER, lock, reg., S., 5/16 (.328 I.D. x .578 O.D. x 1/16 thk.)	6	
	G136-0341050		B248789 (WG-IAT-95-148)	B248789	HOUSING, transmission control, w/reverse PLUNGER, assembly	1	
					(Consists of:		
	G136-0217865		D67249	D67249	1–HOUSING		
			106750		1–KEY		
	G134-0274152		B247248	B247248	1–LEVER		
	G134-0340404		A276913	A276913	1–PLUG		
	G134-0340680		A276911	A276911	1–PLUNGER		
	G136-0124262		A276938	A276938	1–SCREW		
	G136-0389831		A283921	A283921	1–SPRING)		

	G136-0384950	07-4	D67389	D67389	HOUSING, transmission and transmission transfer unit gear shifter, w/SHAFT and LEVERS, assembly	1
					(Consists of:	
	G136-0124264		A283876	A283876	2–BOLT	
H-2	H002-0217010		312469		1–FITTING	
	G136-0205586		B248747	B248747	1–GUIDE	
			C118137	C118137	1–HOUSING	
	G136-0274290		B248748	B248748	1–LEVER	
	G136-0274281		B248749	B248749	1–LEVER	
	G136-0274340		B248783	B248783	1–LEVER, assembly	
H-1	H001-0811038		107762		1–PIN, cotter	
H-1	H001-0823004		114785		1–PIN, cotter	
	G136-0340681		A283875	A283875	1–PLUG	
	G136-0367647		A283987	A283987	1–RETAINER	
	G136-0382813		A283994	A283994	1–SEAL	
	G136-0384651		B248782	B248782	1–SHAFT)	
H-1	H001-0116220	07-4 08-7	223599		BOLT, hex-hd., s-fin., alloy-S., 3/8-24NF-2 x 1 1/4	4
H-1	H001-0719003	07-4 08-7	218581		NUT, reg., hex., s-fin., alloy-S., 3/8-24NF-2	4
H-1	H001-1518009	07-4	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4
	G136-0249061	07-4	A283911	A283911	JOINT, universal, transmission gear shifter rod	3
	G136-0263924	07-4	A283877	A283877	KNOB, transmission gear shifter lever	1
H-1	H001-0716023		219703		NUT, jam, hex., s-fin., S., 3/8-24NF-2	1
	G136-0271840		A283870	A283870	LATCH, transmission gear shifter lever	1
	G136-0336167		A284360 (FM-73869S2)	A284360	PIN, transmission gear shifter lever latch	2
H-1	H001-0811023		137124		PIN, cotter, split, S. (type B), 1/16 x 5/16	2
	G136-0274340	07-4	B248783	B248783	LEVER, transmission gear shifter, complete, assembly	1
H-1	H001-0823004	07-4	114785		PIN, rod end, S., 3/8 dia.	1
H-1	H001-0811038		107762		PIN, cotter, split, S. (type B) 3/32 x 5/8	1
	G134-0274152	07-3	B247248 (WG-T95-56)	B247248	LEVER, transmission gear shifter, assembly	1
	G136-0124262	07-3	A276938 (WG-X750-K)	A276938	BOLT, transmission gear shifter lever clamp (hex-hd., dld 3/8-16NC-2 x 15/16)	1
H-1	H001-0518015		106750		KEY, woodruff, S., 5/32 x 5/8 (No. 505)	1
H-1	H001-1519011	07-3	115549		WASHER, lock, internal teeth, reg., S., 3/8 in.	1
H-1	H001-0716610		103088		NUT, mach., screw, hex., S., No. 10 (.190)-32NF-1 (transmission shift lever latch stop)	2
	G136-0314864		A250028	A250028	NUT, transmission gear shifter latch rod screw (No. 10-32NF-2)	1
	G136-0340202	07-3	B247242 (WG-T95-89)	B247242	PLATE, transmission shifter	1
H-1	H001-0718002	07-3	220065 (WG-X-1775)		NUT, reg., hex., s-fin., S., 5/16-18NC-2	1
	G134-0338895	07-3	A276914 (WG-T95-91)	A274914	PIVOT, transmission gear shifter plate	1

GROUP 07—TRANSMISSION

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0704—TRANSMISSION, SHIFTER CONTROLS (Cont'd)		
H-1	H001-1519010	07-3	115548 (WG-X-2977-D)		WASHER, lock, internal teeth, reg., S., $\frac{5}{16}$ in.	1	
H-6	H006-0282455		501596		PLUG, expansion, transmission gear shifter control housing	3	
	G134-0340404	07-1 07-3	A276913 (WG-4612)	A276913	PLUG, retainer, transmission reverse shifter detent spring ($\frac{3}{4}$-16NF-2 x $\frac{1}{4}$)	1	
	G136-0340681		A283875	A283875	PLUG, transmission gear shift housing	1	
	G134-0340397	07-1	A283318 (WG-AJ1-87-B)	A283318	PLUG, vent, transmission gear shifter control housing	1	
	G134-0340395	07-3	A283223 (WG-J4-72)	A283223	PLUG, welch, transmission gear shifter shaft	1	
	G134-0340675	07-3	A276922 (WG-T93-86)	A276922	PLUNGER, interlock, transmission gear shifter shaft detent	1	
	G134-0340680	07-3	A276911 (WG-T95-41)	A276911	PLUNGER, transmission reverse gear shifter shaft detent	1	
	G136-0367649	07-4	A284020	A284020	RETAINER, transmission gear shifter rod bearing	2	
H-1	H001-0116191	07-4	223585		BOLT, hex-hd., s-fin., alloy-S., $\frac{5}{16}$-24NF-2 x $\frac{7}{8}$	2	
H-1	H001-1518008	07-4	103320		WASHER, lock, reg., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{1}{16}$ thk.)	2	
		07-4	A284222	A284222	RETAINER, transmission gear shifter to floor	1	
	G136-0367647	07-4	A283987	A283987	RETAINER, transmission gear shift shaft seal	1	
	G136-0367648	07-4	A283993	A283993	RETAINER, transmission gear shifter seal to floor	1	
H-1	H001-0718022	07-4	218564		NUT, reg., hex., s-fin., S., $\frac{5}{16}$-24NC-2	2	
H-1	H001-1013229	07-4	215933		SCREW, cap, hex-hd., S., $\frac{5}{16}$-24NF-2 x $\frac{3}{4}$	2	
H-1	H001-1518008	07-4	103320		WASHER, lock, reg., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{1}{16}$ thk.)	2	
	G136-0373274		A283869	A283869	ROD, transmission gear shift latch	1	
	G136-0373277	07-4	A283873	A283873	ROD, transmission gear shift, front (S., $\frac{7}{8}$ x 22$\frac{1}{4}$)	1	
	G136-0373276	07-4	A283872	A283872	ROD, rear, transmission gear shift (S., $\frac{7}{8}$ x 33)	1	
	G136-0382813	07-4	A283994	A283994	SEAL, oil, transmission gear shifter shaft	1	
H-13	H013-0500296	07-3	A276919 (WG-T95-108)	A276919	SEAL, oil, transmission gear shifter shaft	1	
	G134-0365000	07-3	A276915 (WG-T95-22)	A276915	SHAFT, [illegible] transmission gear shifter fork	1	
	G134-0364995	07-3	B247244 (WG-T95-21)	B247244	SHAFT, transmission, first and second speed gear shifter	1	
	G136-0384650	07-3	B248763 (WG-T95-57-A)	B248763	SHAFT, transmission gear shifting	1	
	G136-0384651	07-4	B248782	B248782	SHAFT, transmission gear shift at lever (S., .991 x 11$\frac{5}{16}$)	1	
	G134-0364990	07-3	B247243 (WG-T95-20)	B247243	SHAFT, transmission gear shifter, third and direct speed	1	

	G118-0392413	07-3	B247251 (WG-T95-99)	B247251	SHAFT, transmission reverse speed gear shifter	1
	G136-0369925	07-3	A276927 (WG-T95-28)	A276927	SNAP RING, retainer, transmission gear shifter shaft, third and direct speed	1
	G136-0389405	07-3	A276918 (WG-T95-45)	A276918	SPACER, reverse shift shaft	2
	G136-0389815		A250016	A250016	SPRING, transmission gear shifter lever, latch rod	1
	G134-0389674	07-3	A276923 (WG-T8B-42)	A276923	SPRING, transmission gear shifter shaft detent	3
	G136-0389831	07-3	A283921 (WG-T95-42-A)	A283921	SPRING, transmission reverse shifter gear shaft detent	1
	G136-0392141		A283871	A283871	STOP, transmission gear shifter lever latch	1
H-1	H001-0716610		103088		NUT, mach., screw, hex., br., No. 10 (.190)-32NF-1	1
H-1	G001-1028668		101131		SCREW, mach., rd-hd., br., No. 10 (.190)-32NF-2 x 7/8	2
H-1	H001-1518005		106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	2
	G136-0271841		A250039	A250039	TRIGGER, transmission gear shifter lever	1
H-1	H001-0716610		103088		NUT, mach., screw, hex., br., No. 10 (.190)-32NF-1	2
	G136-0382069		A250040	A250040	SCREW, transmission gear (No. 10-32NF-2 x 13/16)	1
H-1	H001-1518005		106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	2
H-1	H001-1530007		103337		WASHER, plain, S., SAE std., 1/4 in. (9/32 I.D. x 5/8 O.D. x 1/16 thk.)	1
					0706.1—TRANSMISSION OIL PUMP	
H-2	H002-0100130		104919		BALL, chr-alloy-S., grade 2, 5/16 in. (transmission oil line)	1
	G134-0193821		A276878 (WG-T95-76)	A276878	GASKET, transmission oil pump body	1
	G136-0427256	07-2	A276875	A276875	GUIDE, transmission oil pump valve, assembly	1
	G136-0217864	07-2	B247225 (WG-T95-75)	B247225	HOUSING, mounting, transmission oil pump	1
H-1	H001-0116013		227457 (WG-X-801)		BOLT, hex-hd., s-fin., alloy-S., 5/16-18NC-2 x 3/4	3
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thk.)	3
	G136-0443024	07-2	B247291 (WG-T95-90)	B247291	MANIFOLD, oil, transmission main drive gear	1
	G134-0338815	07-2	A276967 (WG-AT-95-70)	A276967	PISTON, transmission oil pump, assembly (Consists of:	1
	G136-0427256		B247224	B247224	1–PISTON	
	G134-0369778		A276877	A276877	1–SNAP RING	
	G136-0427256		A276875	A276875	1–VALVE, w/GUIDE, assembly)	
H-6	H006-0283800	07-1	219187		PLUG, pipe, sq-hd., black, 1/8 in. (transmission case, oil line)	2
	G134-0369778	07-2	A276877	A276877	SNAP RING, transmission oil pump piston	1
	G134-0389676	07-2	A276879 (WG-T95-74)	A276879	SPRING, return transmission oil pump piston	1
	G134-0389677		A276873 (WG-T95-77)	A276873	SPRING, transmission oil pump oil pressure relief valve	1



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FIGURE 08-1—TRANSFER CASE, COVER AND BEARING CAPS (FRONT SIDE) (EXPLODED)

FIGURE 08-1—TRANSFER CASE, COVER AND BEARING CAPS (FRONT SIDE) (EXPLODED)

Key	Item	Part No.	Group No.
A	BOLT	A283797	0801
B	WASHER	103321	0801
C	GASKET	B248807	0801
D	BOLT	227510	0801
E	COVER	B248806	0801
F	CASE, w/COVER	C118363	0801
G	GASKET	B248838	0801
H	BOLT	A284218	0801
J	GASKET	B248840	0801
K	CAP	B248839	0801
L	BOLT	227477	0801
M	CAGE, assembly	A284007	0801
N	CUP	A283799-B	0802.1
P	GASKET	B248812	0801
Q	SHIM	B248813	0801
	SHIM	B248813-A	0801
	SHIM	B248813-B	0801
R	CAP	B248811	0801
S	BOLT	227530	0801
T	CARRIER	D67395	0801
U	GASKET	B248810	0801
V	GASKET	D67394	0801

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 08—TRANSFER CASE		
					0800—TRANSMISSION TRANSFER ASSEMBLY		
	G136-0124256	08-2	A284066	A284066	BOLT, transmission transfer case to mounting insulator (hex-hd., dld-f/lkg, ⅝-11NC-2 x 2¾)	4	
	G136-0132630	09-1	E5497 (WG-AS1-J5)	E5497	CASE, transfer unit, w/universal joint FLANGES, assembly	1	
	G136-0232850	08-2	B248681	B248681	CUSHION, mounting, transmission transfer unit, assembly	2	
	G136-0340251		D67403	D67403	PLATE, transmission transfer unit mounting skid, assembly	1	
					(Consists of:		
			D67403-A	D67403	1–ANGLE		
			D67403-B	D67403	1–PLATE)		
H-1	H001-1013284		216031		SCREW, cap, hex-hd., S., ½-20NF-2 x 1¼	7	
H-1	H001-1518001		103323		WASHER, lock, reg., S., ½ in. (.515 I.D. x .859 O.D. x ⅛ thk.)	7	
	G136-0125917	08-2	B248710	B248710	RETAINER, transmission transfer unit mounting insulator	2	
H-1	H001-0117083	08-2	225740		BOLT, hex-hd., s-fin., alloy-S., dld f/c-pin, 7/16-20NF-2 x 1	8	
H-1	H001-0713025	08-2	103046		NUT, castle, S., 7/16-20NF-2	8	
H-1	H001-0811040		103374		PIN, cotter, split, S. (type B), 3/32 x 1	8	
H-1	H001-1516013	08-2	103331		WASHER, lock, hv., S., ⅝ in. (.655 I.D. x 1.062 O.D. x 13/64 thk.) (transmission transfer unit insulator retainer bolt)	4	

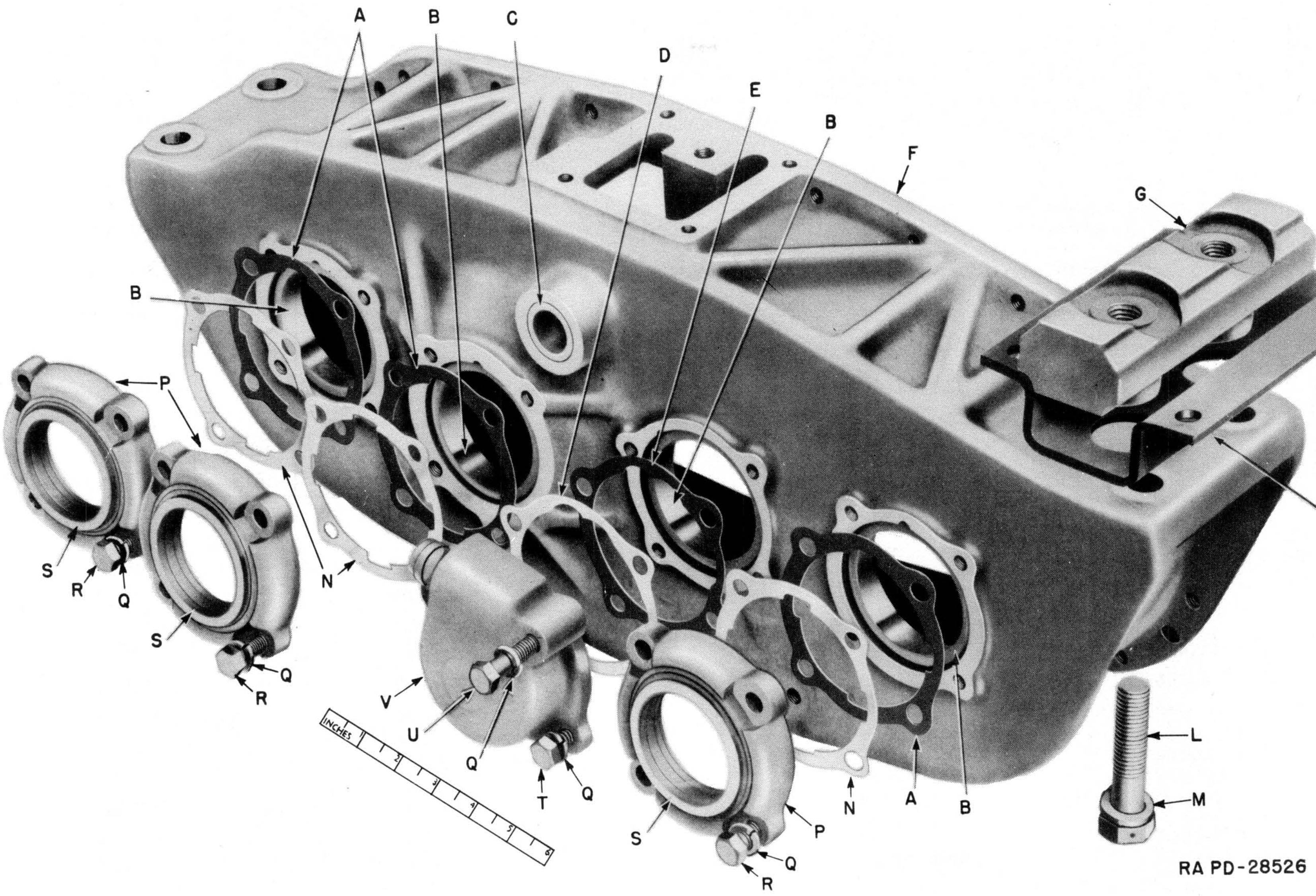


FIGURE 08-2—TRANSFER CASE, BEARING CAPS, AND MOUNTINGS (REAR SIDE) (EXPLODED)

FIGURE 08-2—TRANSFER CASE, BEARING CAPS, AND MOUNTINGS (REAR SIDE) (EXPLODED)

Key	Item	Part No.	Group No.
A	SHIM	B248837-A	0801
	SHIM	B248837-B	0801
	SHIM	B248837-C	0801
B	CUP	A283799-B	0802.1
	CUP	A283249	0801
C	PACKING	A283255	0801
D	GASKET	A284053	0801
E	SHIM	A284051-A	0801
	SHIM	A284051-B	0801
	SHIM	A284051-C	0801
F	CASE, w/COVER	C118363	0801
G	CUSHION	B248681	0800
H	NUT	103046	0800
J	BOLT	225740	0800
K	RETAINER	B248710	0800
L	BOLT	A284066	0800
M	WASHER	103331	0800
N	GASKET	B248840	0801
P	CAP	B248816	0801
Q	WASHER	103321	0801
R	BOLT	A284218	0801
S	SEAL, oil	A283039	0801
T	BOLT	227510	0801
U	BOLT	227531	0801
V	HOUSING	C118327	0801

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0801—TRANSMISSION TRANSFER CASE, COVERS, GASKETS, SEALS, CAPS AND RETAINERS		
	G136-0124278	08-1	A283797 (WG-X-763)	A283797	BOLT, transmission transfer unit cover (hex-hd., S., 3/8-16NC-2 x 1 3/8)	20	
	G136-0131338	08-1	A284007 (WG-1AJ1-41)	A284007	CAGE, transmission transfer unit shaft and drive gear, assembly	1	
					(Consists of:		
	G508-7000708		(WG-AJ1-41)		1–CAGE		
H-12	H012-6222590		(TIM-26824)		1–CUP		
H-12	H012-6211140		(TIM-3720)		1–CUP		
			(WG-X-1516)		1–PLUG)		
	G134-0124190	08-1	A284218 (WG-X-745)	A284218	BOLT, transmission transfer unit drive gear bearing housing (hex-hd., S., 3/8-16NC-2 x 1 1/8)	6	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	6	
	G136-0140213	08-1	B248839 (WG-J3-42)	B248839	CAP, transmission transfer case, idler and intermediate output shaft front bearings	2	
H-1	H001-0116025	08-1	227477 (WG-X-727)		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 7/8	8	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	8	

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0801—TRANSMISSION TRANSFER CASE, COVERS, GASKETS, SEALS, CAPS AND RETAINERS (Cont'd)		
	G136-0131552	08-2	B248816 (WG-J5-43)	B248816	CAP, transmission transfer case input shaft rear and intermediate axle output shaft bearings	3	
	G134-0124190	08-2	A284218 (WG-X-745)	A284218	BOLT, hex-hd., S., transmission transfer case input shaft and rear and intermediate axle output shaft bearing caps (⅜-16NC-2 x 1⅛)	12	
H-1	H001-1518009	08-2	103321		WASHER, lock, reg., S., ⅜ in. (.390 I.D. x .640 O.D. x 3/32 thk.)	12	
	G136-0131551	08-1	B248811 (WG-J5-47)	B248811	CAP, transmission transfer unit declutch bearing carrier	1	
H-1	H001-0116028	08-1	227530		BOLT, hex-hd., s-fin., alloy-S., ⅜-16NC-2 x 1½	4	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., ⅜ in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4	
	G134-0131290		A283250 (WG-AJ1-78)	A283250	CAP, packing, transmission transfer unit declutch shifter cap	1	
	G136-0131640	08-1	D67395 (WG-J5-49)	D67395	CARRIER, transmission transfer declutch bearing	1	
	G134-0124190	08-1	A284218 (WG-X-745)	A284218	BOLT, transmission transfer declutch bearing carrier (hex-hd., S., ⅜-16NC-2 x 1⅛)	6	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., ⅜ in. (.390 I.D. x .640 O.D. x 3/32 thk.)	6	
	G136-0132652	08-1 08-2	C118363 (WG-AJ5-1)	C118363	CASE, transfer case, w/COVER (matched) (Consists of:	1	
	G136-0124278		A283797	A283797	20–BOLT		
	G136-0132615		D67392	D67392	1–CASE		
	G136-0140210		D67393	D67393	1–COVER		
	G136-0194063		D67394	D67394	1–GASKET		
			A283180	A283180	2–PIN		
H-1	H001-1518009		103321		20–WASHER)		
	G136-0140209	08-1	B248806 (WG-J5-48)	B248806	COVER, transmission transfer unit shifter hole	1	
H-1	H001-0116026	08-1	227510 (WG-X-728)		BOLT, hex-hd., s-fin., alloy-S., ⅜-16NC-2 x 1	3	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., ⅜ in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4	
	G134-0143241	08-2	A283249 (WG-J1-73)	A283249	CUP, packing, high low shift shaft	1	
	G136-0194063	08-1	D67394 (WG-J5-57)	D67394	GASKET, cover, transmission transfer unit case	1	
	G136-0194058	08-1	B248810 (WG-J5-60)	B248810	GASKET, transmission transfer unit declutch bearing cover and carrier	1	
	G136-0194059	08-1	B248812 (WG-J5-55)	B248812	GASKET, transmission transfer unit declutch housing cap	1	

	G136-0194060	08-1	B248838 (WG-J1-54)	B248838	GASKET, transmission transfer unit drive gear bearing housing	1
	G136-0194057	08-1	B248807 (WG-J5-53)	B248807	GASKET, cover, transmission transfer shifter unit hole	1
	G136-0194069	08-1,2	B248840 (WG-J1-56)	B248840	GASKET, transmission transfer unit side cover bearing cap	5
	G136-0194067	08-2	A284053 (WG-J1-52)	A284053	GASKET, transmission transfer unit speedometer gear housing	1
	G136-0131553	08-2	C118327 (WG-J1-45)	C118327	HOUSING, transmission transfer unit speedometer gear	1
H-1	H001-0116029	08-2	227531		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1 3/4	1
H-1	H001-0116026	08-1	227510 (WG-X-728)		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	4
H-1	H001-1518009	08-2	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4
	G067-2300440	08-2	A283255 (WG-J1-75)	A283255	PACKING, transmission transfer unit high and low shifter shaft	1
			A283180 (WG-X-2262)	A283180	PIN, taper, No. 7 std., transfer case housing	4
	G136-0340663		A276968 (WG-X-1520-M)	A276968	PLUG, drain, oil, magnetic, transmission transfer unit (3/4-14NP)	1
H-6	H006-0283800		219187		PLUG, pipe, sq-hd., black, 1/8 in. (transmission transfer unit brake shaft housing)	1
H-6	H006-0283820		219301 (WG-X-1520)		PLUG, pipe, sq-hd., black 3/4 in. (transmission transfer unit housing)	1
	G136-0340676		A282864 (WG-X-1520-K)	A282864	PLUG, pipe, transmission transfer unit oil level (3/4-14)	1
	G134-0340395		A283223 (WG-J4-72)	A283223	PLUG, transmission transfer unit shifter rod end	1
	G134-0340397		A283318 (WG-AJ1-87-B)	A283318	PLUG, vent, 1/8 in., transmission transfer unit case	1
	G134-0382884	08-2 12-1	A283039 (WG-T95-110)	A283039	SEAL, oil, transmission unit bearing caps (2.125 bore x 3.003 O.D. x 11/16)	5
	G136-0385000	08-1	B248813 (WG-J5-62)	B248813	SHIM, transmission transfer unit declutch bearing cap (.003 thk.)	3
	G136-0385001	08-1	B248813-A (WG-J5-62-A)	B248813	SHIM, transmission transfer unit declutch bearing cap (.005 thk.)	3
	G136-0385002	08-1	B248813-B (WG-J5-62-B)	B248813	SHIM, transmission transfer unit declutch bearing cap (.010 thk.)	1
	G136-0385003	08-2	B248837-A (WG-J1-59)	B248837	SHIM, transmission transfer unit side cover (.003 thk.)	A.R.
	G136-0385004	08-2	B248837-B (WG-J1-59-A)	B248837	SHIM, transmission transfer unit side cover (.005 thk.)	A.R.
	G136-0385005	08-2	B248837-C (WG-J1-59-B)	B248837	SHIM, transmission transfer unit side cover (.010 thk.)	A.R.
	G136-0385009	08-2	A284051-A (WG-J1-61)	A284051	SHIM, transmission transfer unit speedometer gear housing (.003 thk.)	A.R.

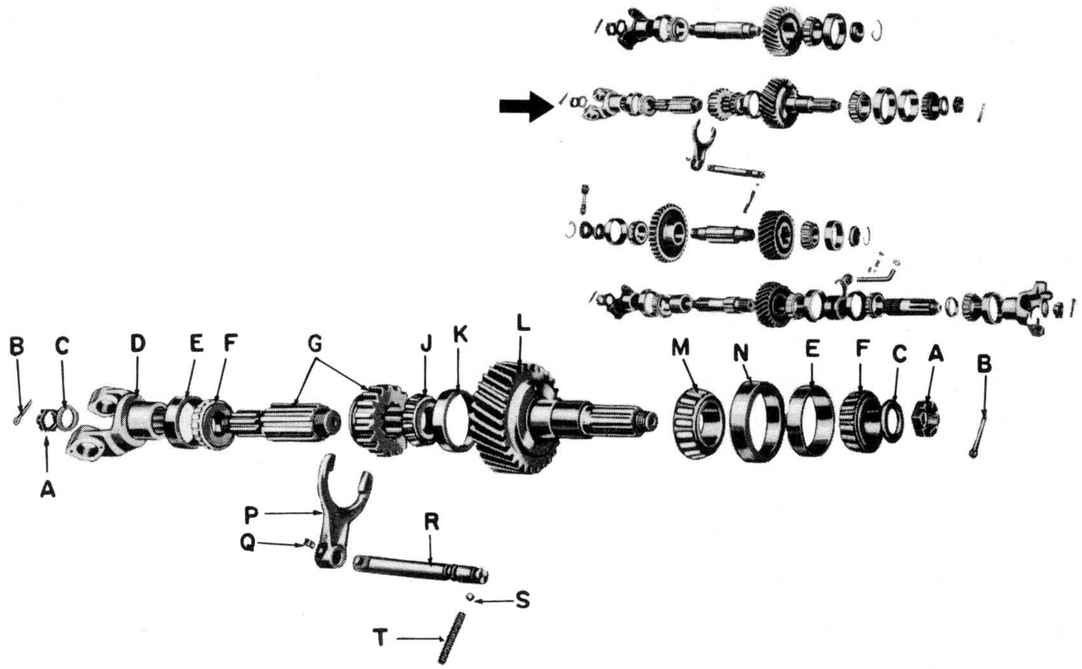
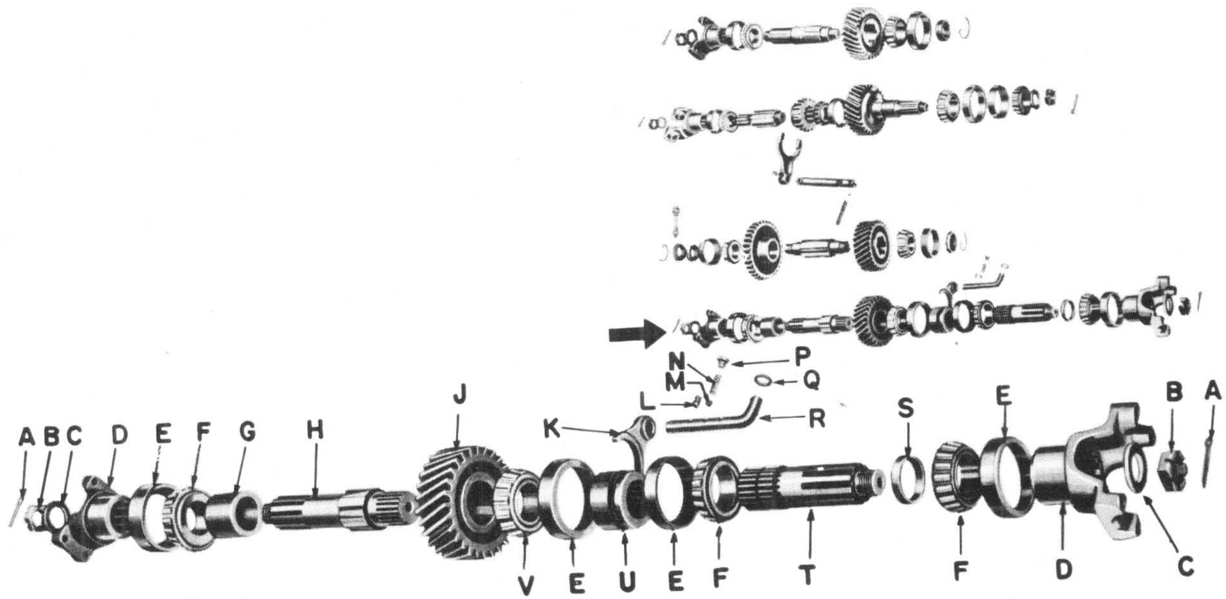


FIGURE 08-3—TRANSFER CASE INPUT SHAFT ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	NUT	A283271	0900
B	PIN	103388	0900
C	WASHER	A283188	0900
D	FLANGE	B248693	0900
E	CUP	A283799-B	0802.1
F	CONE	A283278-A	0802.1
G	SHAFT (Part of B248925)	C117632	0802.1
	GEAR (Part of B248925)	C117631	0802.1
J	CONE	A283276-A	0802.1
K	CUP	A283276-B	0802.1
L	GEAR	C118143	0802.1
M	CONE	A283277-A	0802.1
N	CUP	A283277-B	0802.1
P	FORK	C118138	0804
Q	SCREW	A283275	0804
R	RAIL	B248808	0804
S	BALL	104921	0804
T	SPRING	A284052	0804

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FIGURE 08-4—TRANSFER CASE FRONT AND REAR AXLE OUTPUT SHAFT ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	PIN	103388	0900
B	NUT	A283271	0900
C	WASHER	A283188	0900
D	FLANGE	C117281	0900
E	CUP	A283799-B	0802.1
F	CONE (Part of B248809)	A283278-A	0802.3
G	SPACER (Part of B248809)	A284002	0802.3
H	SHAFT (Part of B248809)	C118139	0802.3
J	GEAR (Part of B248809)	C118140	0802.3
K	FORK	B247395	0804
L	SCREW	A284839	0804
M	BALL	104919	0804
N	SPRING	A284049	0804
P	SEAT	A284838	0804
Q	WASHER	A283265	0804
R	SHAFT	7058895	0804
S	SPACER	A284003	0802.4
T	SHAFT	C118141	0802.4
U	SLEEVE	B248841	0802.4
V	CONE (Part of B248809)	A283799-A	0802.3

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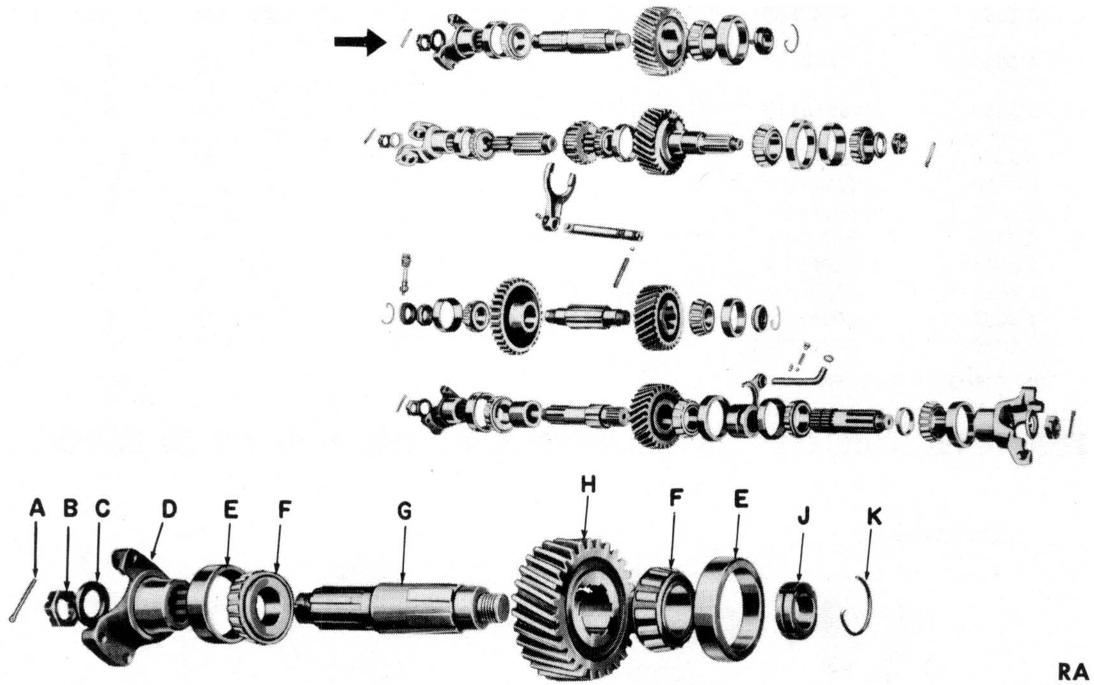
GROUP 08—TRANSFER CASE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0801—TRANSMISSION TRANSFER CASE, COVERS, GASKETS, SEALS, CAPS AND RETAINERS (Cont'd)		
	G136-0385010	08-2	A284051-B (WG-J1-61-A)	A284051	SHIM, transmission transfer unit speedometer gear housing (.005 thk.)	A.R.	
	G136-0385011	08-2	A284051-C (WG-J1-61-B)	A284051	SHIM, transmission transfer unit speedometer gear housing (.010 thk.)	A.R.	
H-1	H001-1518009	08-1	103321		WASHER, lock, reg., S., 3/8 in. (transmission transfer case cover)	20	
					0802.1—TRANSMISSION TRANSFER CASE, INPUT OR DRIVEN SHAFT, GEARS, BEARINGS, SPACERS (FROM TRANSMISSION)		
H-12	H012-6101420	08-3	A283276-A (TIM-339)	A283276	CONE, 1.3779 bore x .882 thk., transmission transfer unit rear input shaft center bearing, w/ROLLER, assembly	1	
H-12	H012-6125900	08-3	A283277-A (TIM-3779)	A283277	CONE, 1 7/8 bore x 1.1875 thk., transmission transfer unit input shaft front, center bearing, w/ROLLER	1	
H-12	H012-6151940	08-3	A283278-A (TIM-26878)	A283278	CONE, 1 1/2 bore x 1.00 thk., transmission transfer unit input shaft, front and rear bearing, w/ROLLER, assembly	20	
H-12	H012-6201500	08-3	A283276-B (TIM-332)	A283276	CUP, transmission transfer unit input shaft rear center bearing	1	
H-12	H012-6222590	08-1,2,3	A283799-B (TIM-26824)	A283799	CUP, transmission transfer unit input shaft front and rear bearing	2	
H-12	H012-6211140	08-3	A283277-B (TIM-3720)	A283277	CUP, transmission transfer unit, front input shaft center bearing	1	
	G136-0196070	08-3	C118143 (WG-J5-16)	C118143	GEAR, transmission transfer unit main drive, w/SHAFT	1	
	G176-0672100		B248925 (WG-1AJ4-2)	B248925	SHAFT, transmission transfer unit input, w/GEAR, assembly (Consists of:	1	
	G134-0196039		C117631	C117631	1—GEAR		
	G134-0384678		C117632	C117632	1—SHAFT)		
	9410-J467-D		B247384-E (WG-J4-67-D)	B247384	SHIM, transmission transfer unit main drive gear bearing (.003 thk.)	A.R.	
	G134-0384948		B247384-C (WG-J4-67-B)	B247384	SHIM, transmission transfer unit drive, main gear bearing (.030 thk.)	A.R.	
	G134-0384943		B247384-D (WG-J4-67-C)	B237384	SHIM, transmission transfer unit main drive gear bearing (.034 thk.)	A.R.	
	G136-0443019		A284841 (WG-J4-71)	A284841	WASHER, transmission transfer unit main drive gear bearing (S., 1 17/32 I.D. x 1 27/32 O.D. x .054 thk.)	1	

					0802.2—TRANSMISSION TRANSFER CASE, IDLER SHAFTS, GEARS, BEARINGS AND SPACERS	
H-12	H012-6151940	08-4	A283278-A (TIM-26878)	A283278	CONE, 1½ bore x 1 thk., transmission transfer unit idler shaft, w/ROLLER, assembly	5
H-12	H012-6222590	08-5,6	A283799-B (TIM-26824)	A283799	CUP, transmission transfer unit idler shaft bearing	2
	G508-7000439		C118284 (WG-J1-10)	C118284	GEAR, transmission transfer unit idler, front	1
	G134-0196037	08-6	C117627 (WG-J4-13)	C117627	GEAR, transmission transfer unit idler shaft low speed	1
	G134-0314721		A283254 (WG-J1-86)	A283254	NUT, transmission transfer unit idler shaft (hex., dld f/lkg., wire, S., 1¼-18NF-2)	2
	G136-0196046	08-6	B248814 (WG-AJ5-35)	B248814	SHAFT, transmission transfer unit idler shaft, w/GEAR, assembly	1
					(Consists of:	
H-12	H012-6151940		A283278-A	A283278	2–CONE, w/ROLLER	
	G134-0196037		C117627	C117627	1–GEAR	
			C118284	C118284	1–GEAR	
	G134-0314721		A283254	A283254	2–NUT	
	G508-7000439		C118142	C118142	1–SHAFT	
	G136-0443025		B248815	B248815	1–WASHER	
	G136-0279847		A283243	A283243	2–WIRE, lock)	
	G136-0389419	08-4	A284002 (WG-J5-2½)	A284002	SPACER, transfer case rear axle output shaft	1
	G136-0443025		B248815	B248815	WASHER, thrust, transmission transfer unit idler gear	1
	G136-0279847		A283243 (WG-J1-84)	A283243	WIRE, lock, transmission transfer unit idler shaft nut	2
					0802.3—TRANSMISSION TRANSFER CASE, OUTPUT, MAIN OR DRIVE SHAFT, GEARS, BEARINGS AND SPACERS	
H-12	H012-6151940	08-4,5,6	A283278-A (TIM-26878)	A283278	CONE, 1½ bore x 1 thk., transmission transfer unit driven shaft, w/small ROLLER, assembly	5
H-12	H012-6152040	08-4	A283799-A (TIM-26884)	A283799	CONE, taper roller bearing 1.6888 bore x 1 thk., transmission transfer unit output shaft rear bearing, w/ROLLER, assembly	1
H-12	H012-6222590	08-4	A283799-B (TIM-26824)	A283799	CUP, transmission transfer unit output shaft	6
	G136-0196008	08-4	C118140 (WG-J1-8)	C118140	GEAR, transmission transfer unit front and rear axle driven shaft	1
	G136-0196009	08-5	C118148 (WG-J5-9)	C118148	GEAR, transmission transfer unit intermediate axle output shaft	1
	G136-0279847	08-5,6	A283243 (WG-J1-84)	A283243	LOCK, transmission transfer unit intermediate output shaft nut	1
	G134-0314721	08-5,6	A283254 (WG-J1-86)	A283254	NUT, transmission transfer unit intermediate output shaft (hex., dld f/lkg., wire, S., 1¼-18NF-2)	1
	G136-0196047	08-5	B248817 (WG-AT5-5)	B248817	SHAFT, transmission transfer unit intermediate axle output, w/GEAR, assembly	1

GROUP 08—TRANSFER CASE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0802.3—TRANSMISSION TRANSFER CASE, OUTPUT, MAIN OR DRIVE SHAFT, GEARS, BEARINGS AND SPACERS (Cont'd)		
					(Consists of:		
H-12	H012-6040020		A283278	A283278	2–CONE, w/ROLLER		
	G136-0196009		C118148	C118148	1–GEAR		
	G134-0314721		A283254	A283254	1-NUT		
			C118144	C118144	1–SHAFT		
	G136-0279847		A283243	A283243	1–WIRE, lock)		
	G136-0196045	08-4,5	B248809 (WG-AJ5-4)	B248809	SHAFT, transmission transfer unit rear axle output shaft, w/GEAR and BEARINGS, assembly	1	
					(Consists of:		
H-12	H012-6152040		A283799-A	A283799	1–CONE		
H-12	H012-6151940		A283278-A	A283278	1–CONE		
	G136-0196008		C118140	C118140	1–GEAR		
			C118139	C118139	1–SHAFT		
	G136-0389419		A284002	A284002	1–SPACER)		
					0802.4—TRANSMISSION TRANSFER CASE, DECLUTCH SHAFT, GEARS, BEARINGS AND SPACERS		
	G136-0384658	08-4	C118141 (WG-J5-3)	C118141	SHAFT, transmission transfer unit declutch	1	
	G136-0387112	08-4	B248841 (WG-J1-15)	B248841	SLEEVE, transmission transfer unit declutch shaft	1	
	G136-0389420	08-4	A284003 (WG-J5-51)	A284003	SPACER, declutch shaft bearings	1	
					0804—TRANSMISSION TRANSFER CASE, GEARSHIFT LEVERS, RAILS, RODS, YOKES AND FORKS		
H-2	H002-0100130	08-4	104919		BALL, chr-alloy-S., grade 2, 5/16 in. (transmission transfer unit declutch shifter shaft)	1	
H-2	H002-0100160	08-3	104921 (WG-X-2138)		BALL, chr-alloy-S., grade 2, 7/16 in. (transmission transfer unit gear shifter shaft)	1	
	G136-0124326	08-7	B248828	B248828	BOOT, transmission transfer unit declutch shifter shaft	2	
	G136-0125906		B248819 (WG-J5-91)	B248819	BRACKET, transmission transfer unit shifter lever	1	
H-1	H001-0116026		227510 (WG-X-728)		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	2	
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	2	
	G134-0186792	08-4	B247395 (WG-J1-24)	B247395	FORK, shifter, transmission transfer unit declutch	1	



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FIGURE 08-5—TRANSFER CASE INTERMEDIATE AXLE OUTPUT SHAFT, ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	PIN	103388	0900
B	NUT	A283271	0900
C	WASHER	A283188	0900
D	FLANGE	C117281	0900
E	CUP	A283799-B	0802.3
F	CONE (Part of B248809)	A283278-A	0802.3
G	SHAFT (Part of B248817)	C118144	0802.3
H	GEAR (Part of B248817)	C118148	0802.3
J	NUT (Part of B248817)	A283254	0802.3
K	LOCK (Part of B248817)	A283243	0802.3

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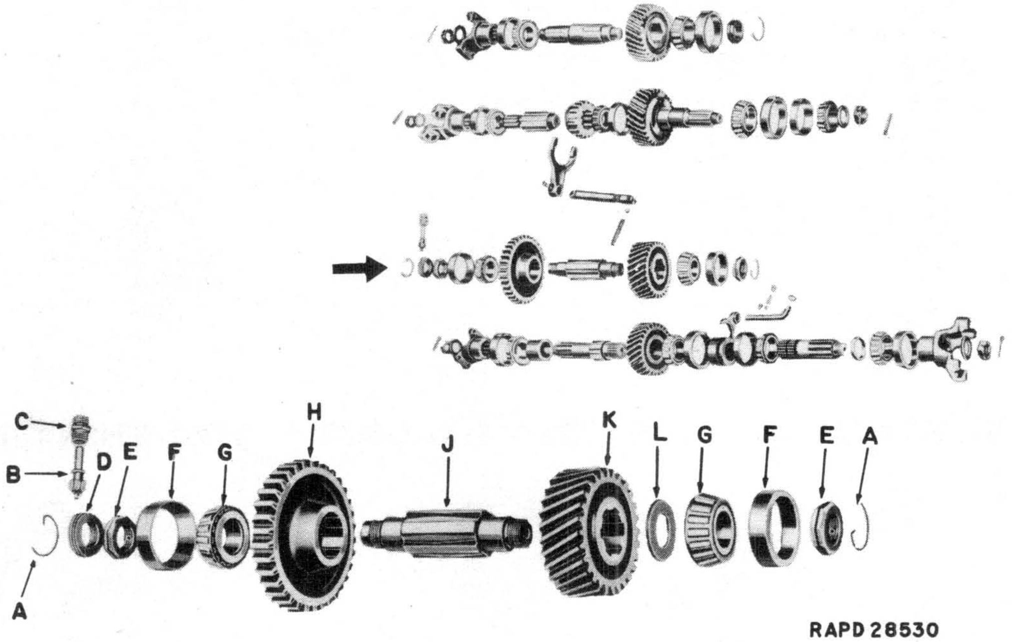
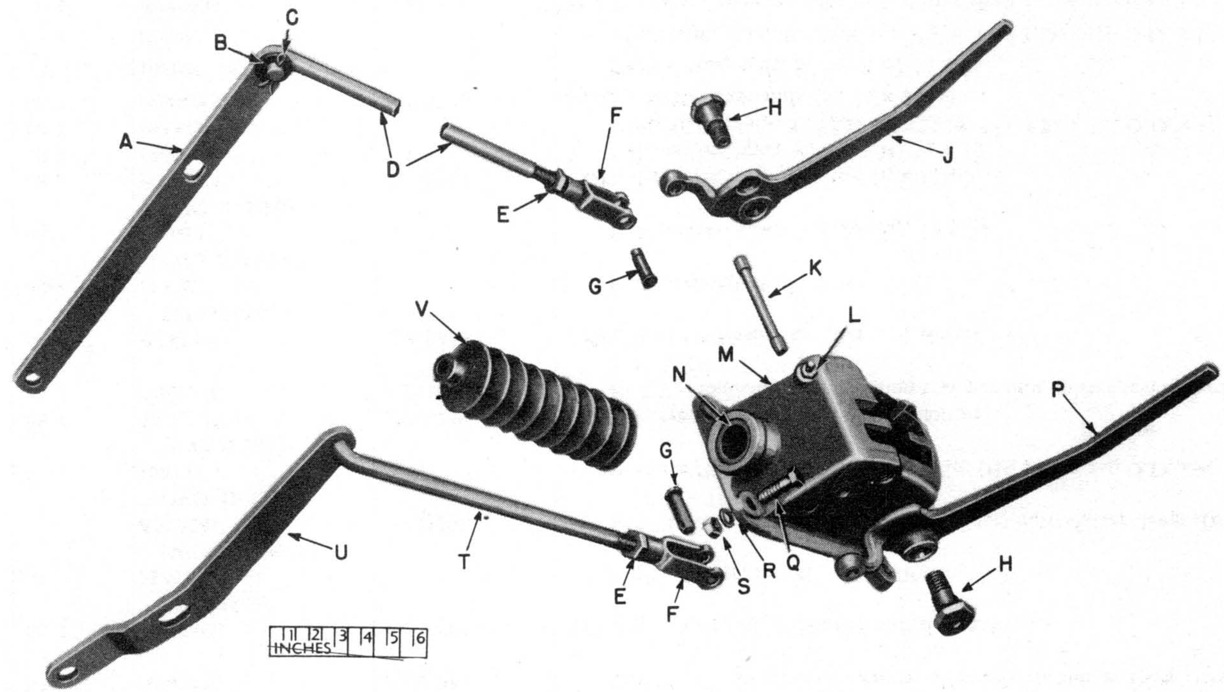


FIGURE 08-6—TRANSFER CASE IDLER SHAFT ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	LOCK	A283243	0802.3
B	GEAR	A284005	2208.1
C	SLEEVE	A284912	2208.1
D	GEAR	A284004	2208.1
E	NUT	A283254	0802.3
F	CUP	A283799-B	0802.3
G	CONE	A283278-A	0802.3
H	GEAR (Part of B248814)	C117627	0802.2
J	SHAFT (Part of B248814)	C118142	0802.2
K	GEAR (Part of B248814)	C118284	0802.2
L	WASHER (Part of B248814)	B248815	0802.2

RA PD 28530C



RA PD 28531

FIGURE 08-7—TRANSFER CASE GEAR SHIFT LEVERS AND RODS (EXPLODED)

Key	Item	Part No.	Group No.
A	LEVER	B248874	0804
B	WASHER	103342	0804
C	PIN	108630	0804
D	ROD	B248785	0804
E	NUT	219704	0804
F	YOKE	117825	0804
G	PIN	114786	0804
H	BOLT	A283876	0804
J	LEVER	B248749	0804
K	INTERLOCK	A283988	0804
L	FITTING	504208	0704
M	HOUSING	C118137	0704
N	SEAL	A283994	0704
	RETAINER	A283987	0704
P	LEVER	B248748	0804
Q	BOLT	223599	0704
R	WASHER	103321	0704
S	NUT	218581	0704
T	ROD	B248784	0804
U	LEVER	B248866	0804
V	BOOT	B248828	0804

RA PD 28531C

GROUP 08—TRANSFER CASE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0804—TRANSMISSION TRANSFER CASE, GEARSHIFT LEVERS, RAILS, RODS, YOKES AND FORKS (Cont'd)		
	G134-0381918	08-4	A284839 (WG-J1-68)	A284839	SCREW, set, transmission transfer unit shifter fork	1	
H-1	H001-1519011		115549 (WG-X-2978-S)	115549	WASHER, lock, internal teeth, reg., S., 3/8 in.	1	
	G136-0186795	08-3	C118138 (WG-J5-23)	C118138	FORK, shifter, transmission transfer unit gear	1	
	G121-0382158	08-3	A283275 (WG-4418)	A283275	SCREW, transmission transfer unit gear shifter fork (lock, S., 3/8-24 SAE 27/32)	1	
	G136-0232838	08-7	A283988	A283988	INTERLOCK, transmission transfer unit gear shifter shaft	1	
	G136-0274290	08-7	B248748	B248748	LEVER, front axle transmission transfer unit shifter	1	
	G136-0124264	08-7	A283876	A283876	BOLT, mounting, transmission transfer unit shifter lever (hex., 5/8-11NC-2 x 1 1/2)	1	
	G136-6248866	08-7	B248866 (WG-J5-80)	B248866	LEVER, transmission transfer unit declutch	1	
H-1	H001-0722017		218510 (WG-X-1730-A)		NUT, slotted, hv., S., 1/2-20NF-2		
	G136-0392324		A283261 (WG-J1-85)	A283261	STUD, transmission transfer unit declutch shifter lever (S., 1/2-20NF-2 (11/16) x 1 5/8 x 1/2-13NC-2 (11/16))	1	
H-1	H001-1530011		103343 (WG-X-2832)		WASHER, plain, S., SAE std., 1/2 in. (17/32 I.D. x 1 1/16 O.D. x 3/32 thk.)	1	
	G136-0274281	08-7	B248749	B248749	LEVER, transmission transfer unit shifter	1	
	G136-0124264	08-7	A283876	A283876	BOLT, mounting, transmission transfer unit shifter levers (hex., 5/8-11NC-2 x 1 1/2)	1	
	G136-6248874	08-7	B248874 (WG-J5-90)	B248874	LEVER, transmission transfer unit shifter	1	
H-1	H001-0823005	08-7	114786 (WG-X-1289)		PIN, rod end, S., 7/16 diam.	2	
H-1	H001-0811051	08-7	108630 (WG-X-2000)		PIN, cotter, split, S. (type B), 1/8 x 7/8	2	
	G136-0373270	08-7	B248784	B248784	ROD, declutch, front axle (S., 7/16 x 12 7/16)	1	
H-1	H001-0811051	08-7	108630		PIN, cotter, split, S. (type B) 1/8 x 7/8	1	
H-1	H001-1530010	08-7	103342		WASHER, plain, S., SAE std., 7/16 in. (15/32 I.D. x 15/16 O.D. x 1/16 thk.)	1	
	G136-0373271	08-7	B248785	B248785	ROD, transfer case shift (S., 1/2 x 26 5/8)	1	
H-1	H001-0811051	08-7	108630		PIN, cotter, split, S. (type B) 1/8 x 7/8	1	
H-1	H001-1530010	08-7	103342		WASHER, plain, S., SAE std., 7/16 in. (15/32 I.D. x 15/16 O.D. x 1/16 thk.)	1	
	G134-0382993	08-4	A284838 (WG-J1-69)	A284838	SEAT, transmission transfer unit shifter shaft detent spring	1	

	G134-0364985		B247399 (WG-J1-21)	B247399	SHAFT, (rail) transmission transfer unit declutch shifter (replaced by 7058895).	1
	G136-7058895	08-4	7058895		SHAFT, (rail) transmission transfer unit declutch shifter (supersedes and is interchangeable with B247399)	1
	G136-0364987	08-3	B248808 (WG-J5-20)	B248808	SHAFT, (rail) transmission transfer unit high and low shifter	1
	G136-0389836	08-4	A284049 (WG-J1-82)	A284049	SPRING, transmission transfer unit declutch shifter shaft detent	1
	G136-0389837	08-3	A284052 (WG-J1-83)	A284052	SPRING, transmission transfer unit shifter shaft detent	1
	G136-0443061	08-4	A283265 (WG-J1-74)	A283265	WASHER, flat, transmission transfer unit declutch shifter lever (S., 15/16 x .578 x .005)	1
H-1	H001-1810050	08-7	117825		YOKE, rod end, adjustable, light, S., 7/16 in. (transmission transfer unit shifter and declutch rod end)	2
H-1	H001-0716024	08-7	219704		NUT, jam, hex., s-fin., S., 7/16-20NF-2	2
H-1	H001-0811039		103576		PIN, cotter, split, S. (type B), 3/32 x 3/4 (1 each on front axle declutch rod transfer case shift rod)	2
H-1	H001-0823005	08-7	114786		PIN, rod end, S., 7/16 in. diam.	2
					GROUP 09—PROPELLER SHAFT	
					0900—PROPELLER SHAFT AND UNIVERSAL JOINT, ASSEMBLY AND PARTS, INCLUDES CARRIER AND PILLOW BLOCKS	
H-12	H012-6036060	09-5	A283040 (TIM-16150)	A283040	BEARING, 1 1/2 bore x 2.844 O.D. x .812 width, propeller shaft pillow block, assembly	2
					(Consists of:	
H-12	H012-6138420		A283040-A	A283040	1–CONE, w/ROLLER	
H-12	H012-6218450		A283040-B	A283040	1–CUP)	
	G136-0122323	09-1	C118160	C118160	BLOCK, pillow, propeller shaft, assembly	1
H-1	H001-1013071	09-5	217054		SCREW, cap, hex-hd., S., 1/2-13NC-2 x 1 1/4	4
H-1	H001-1516011	09-5	103329		WASHER, lock, hv., S., 1/2 in. (.515 I.D. x .859 O.D. x 11/64 thk.)	4
	G134-0137651	09-5	A283041 (TIM-16284)	A283041	BUSHING, pillow block, propeller shaft (1/2-14 pipe O.D. x 1/8-27 pipe I.D.)	1
	G067-1800040	09-2,4	A283429 (SP-3-1/2-14-39)	A284429	CAP, retainer, propeller shaft universal joint sleeve oil seal	4
	G136-0131556	09-3	A283080 (SP-3-1/2-14-19)	A283080	CAP, retainer, propeller shaft universal joint sleeve oil seal	1
	G134-0131258	09-3	A283074 (SP-K4-70-49)	A283074	CAP, universal joint bearing propeller shaft, transmission to transfer case	8
	G136-0140260	09-5	C118162	C118162	COVER, propeller shaft pillow block housing, front, assembly	1
					(Consists of:	
			C118162-A	C118162	1–COVER	
H-13	H013-0500144		A283803	A2838003	1–SEAL)	
H-1	H001-1013018	09-5	216959		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 7/8	6
H-1	H001-1518008	09-5	103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thk.)	6

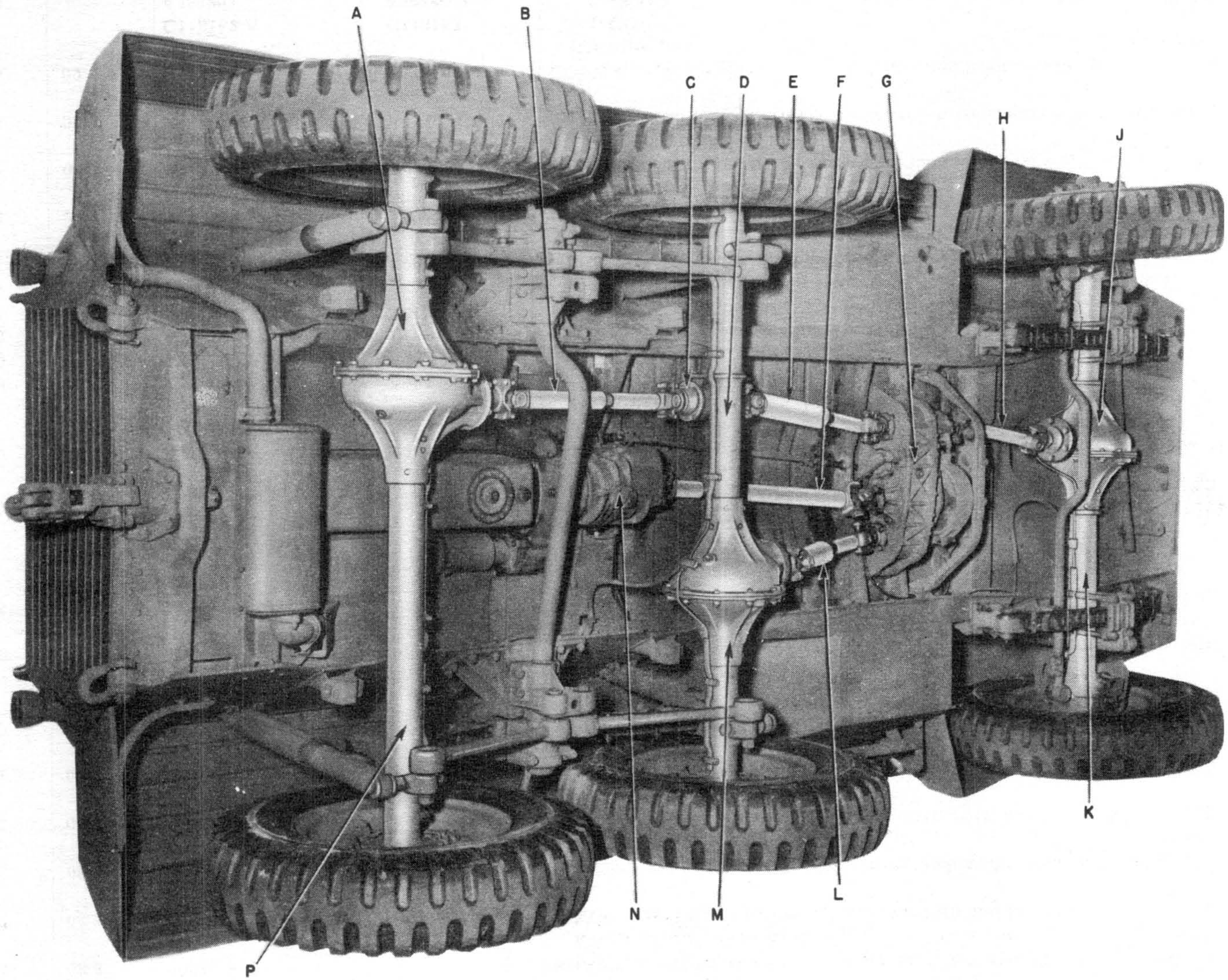


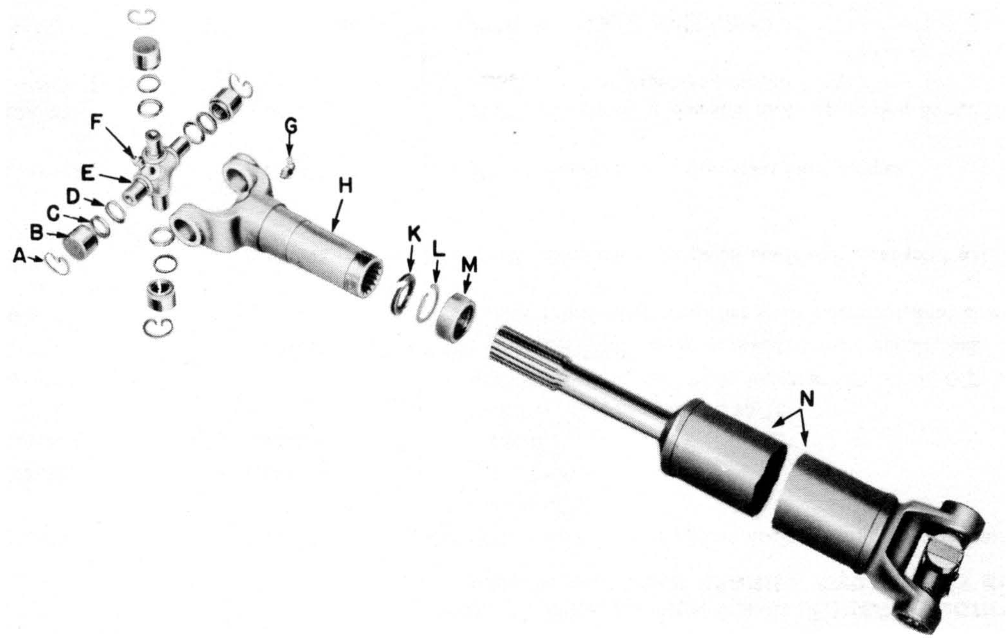
FIGURE 09-1—VIEW FROM BELOW SHOWING PROPELLER SHAFTS AND AXLES

FIGURE 09-1—VIEW FROM BELOW SHOWING PROPELLER SHAFTS AND AXLES

Key	Item	Part No.	Group No.
A	HOUSING, assembly	D67354	1101
B	SHAFT, assembly	C118023	0900
C	BLOCK, pillow, assembly	C118160	0900
D	HOUSING, assembly	D67347	1101
E	SHAFT, assembly	C118022-B	0900
F	SHAFT, assembly	C118029	0900
G	CASE, transfer, assembly	E5497	0800
H	SHAFT, assembly	C118028	0900
J	HOUSING, assembly	D67343	1001
K	HOUSING, assembly	D67344	1001
L	SHAFT, assembly	C118022-A	0900
M	HOUSING, assembly	D67348	1101
N	TRANSMISSION, assembly	D67357	0700
P	HOUSING	D67355	1101

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0900—PROPELLER SHAFT AND UNIVERSAL JOINT, ASSEMBLY AND PARTS, INCLUDES CARRIER AND PILLOW BLOCKS (Cont'd)		
	G136-0140270	09-5	C118163	C118163	COVER, propeller shaft pillow block housing, rear, assembly	1	
					(Consists of:		
			C118163-A	C118163	1–COVER		
H-13	H013-0500144		A283803	A283803	1–SEAL)		
H-1	H001-1013018	09-5	216969		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 7/8	6	
H-1	H001-1518008	09-5	103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thk.)	6	
	G136-0143553		A283055	A283055	CUP, propeller shaft sleeve, transmission to transfer case	1	
	G197-7008452	09-2,3,4	504208 (AD-1980)		FITTING, lubricating, propeller shaft universal joint sleeve (1/8 x 27 elbow)	15	
	G136-0184604	09-5 10-1 11-1,3,4	B248692 (SP-KL-3-4-14)	B248692	FLANGE, companion, propeller shaft universal joint axle and pillow block end	5	
	G136-0258753	09-5 11-3	A283997	A283997	KEY, propeller shaft universal joint flanges	5	
	G136-0314881	08-3 09-5 11-3	A283271 (WG-J1-50)	A283271	NUT, transmission transfer unit companion flange (hex-hd., S., 1-20NEF) (also used on input and output flange)	5	
H-1	H001-0811054		103387		PIN, cotter, split, S. (type B) 1/8 x 1 1/2	4	
H-1	H001-0811056	09-5	103389		PIN, cotter, split, S. (type B) 1/8 x 2	2	

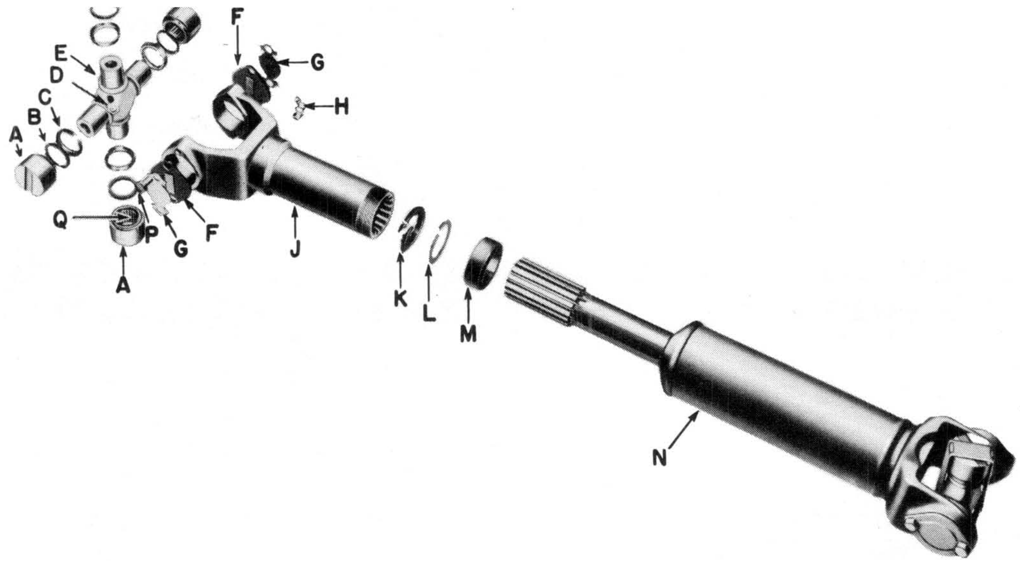


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FIGURE 09-2—PROPELLER SHAFT AND UNIVERSAL JOINT ASSEMBLY, TRANSFER CASE TO INTERMEDIATE AXLE, AND TRANSFER CASE TO PILLOW BLOCK (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	SNAP RING (Part of Kit A294021)	A283404	0900
B	BEARING (Part of Kit A294021)	A283402	0900
C	SEAL (Part of A283394)	A283398	0900
D	RETAINER (Part of A283394)	A283428	0900
E	SPIDER (Part of Kit A294021)	A283394	0900
F	FITTING (Part of Kit A294021)	B289258	0900
G	FITTING	504208	0900
H	SLEEVE	A283053	0900
K	SEAL	A283431	0900
L	WASHER	A283723	0900
M	CAP	A283429	0900
N	SHAFT (Transfer case to intermediate axle)	C118022-C	0900
	SHAFT (Transfer case to pillow block)	C118022-D	0900

RA PD 28533C

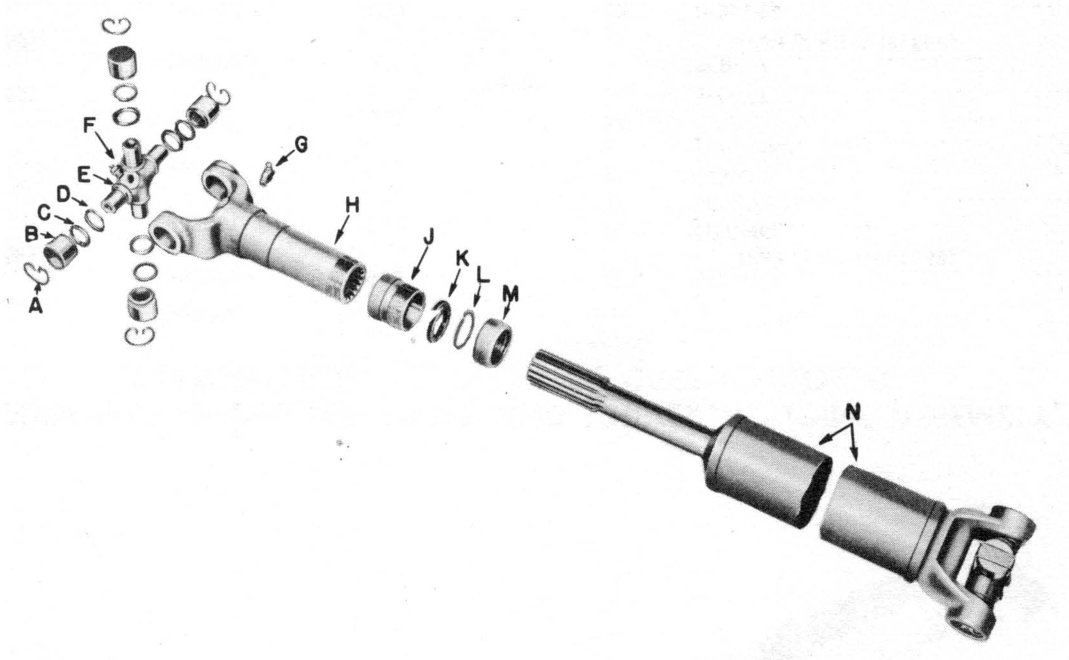


RA PD 28534

FIGURE 09-3—PROPELLER SHAFT AND UNIVERSAL JOINT ASSEMBLY, TRANSMISSION TO TRANSFER CASE (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	BEARING (Part of Kit A281868)	A283075	0900
B	SEAL (Part of A283084)	A283081	0900
C	RETAINER (Part of A283084)	A282858	0900
D	FITTING (Part of Kit A281868)	B289258	0900
E	SPIDER (Part of Kit A281868)	A283084	0900
F	CAP (Part of Kit A281868)	A283074	0900
G	STRAP (Part of Kit A281868)	A283083	0900
H	FITTING	504208	0900
J	SLEEVE	A284302	0900
K	SEAL	A283088	0900
L	WASHER	A283054	0900
M	CAP	A283080	0900
N	SHAFT	C118029-A	0900
P	SCREW (Part of Kit A281868)	281983	0900
Q	ROLLER (Part of A283075)	A283082	0900

RA PD 28534C

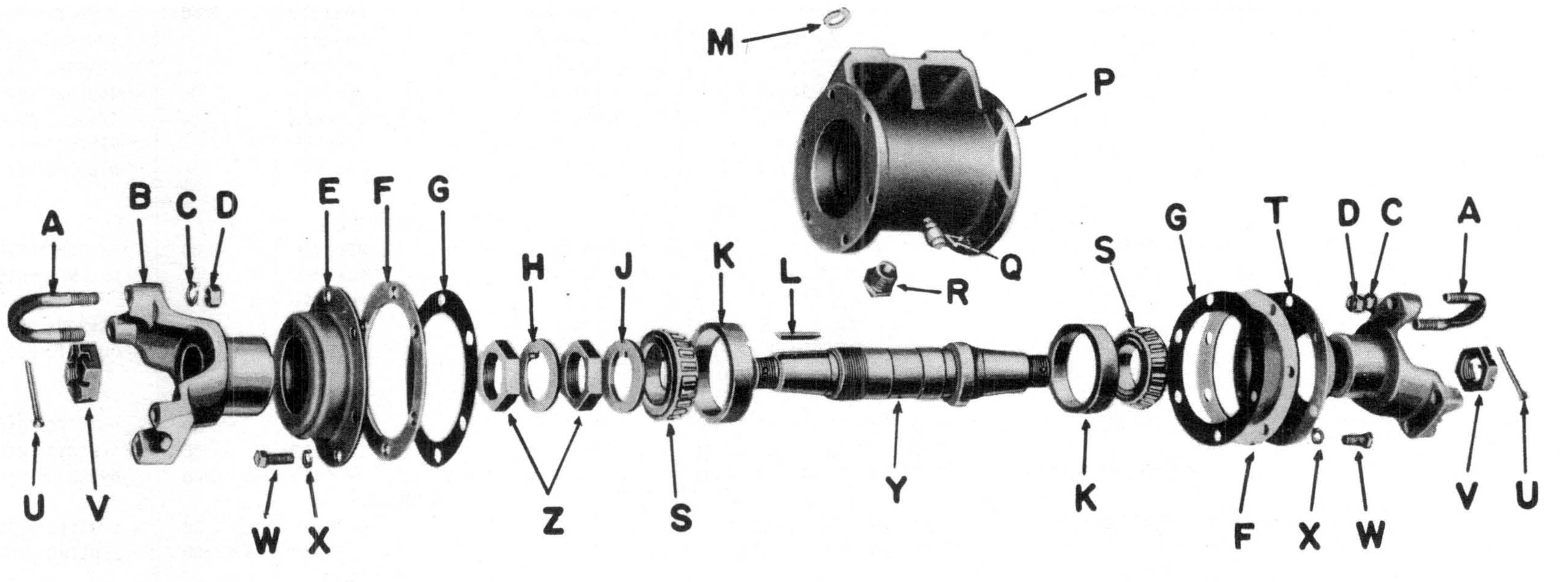


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FIGURE 09-4—PROPELLER SHAFT AND UNIVERSAL JOINT ASSEMBLY, PILLOW BLOCK TO REAR AXLE AND TRANSFER CASE TO FRONT AXLE (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	SNAP RING (Part of Kit A294021)	A283404	0900
B	BEARING (Part of Kit A294021)	A283402	0900
C	SEAL (Part of A283394)	A283398	0900
D	RETAINER (Part of A283394)	A283428	0900
E	SPIDER (Part of Kit A294021)	A283394	0900
F	FITTING (Part of Kit A294021)	B289258	0900
G	FITTING	504208	0900
H	SLEEVE	A284280	0900
K	SEAL	A283431	0900
L	WASHER	A283723	0900
M	CAP	A283429	0900
N	SHAFT (Pillow Block to Rear Axle)	C118022-C	0900
	SHAFT (Transfer Case to Front Axle)	C118022-D	0900

RA PD 28535C



RA PD 28536

FIGURE 09-5—PILLOW BLOCK ASSEMBLY (EXPLODED)

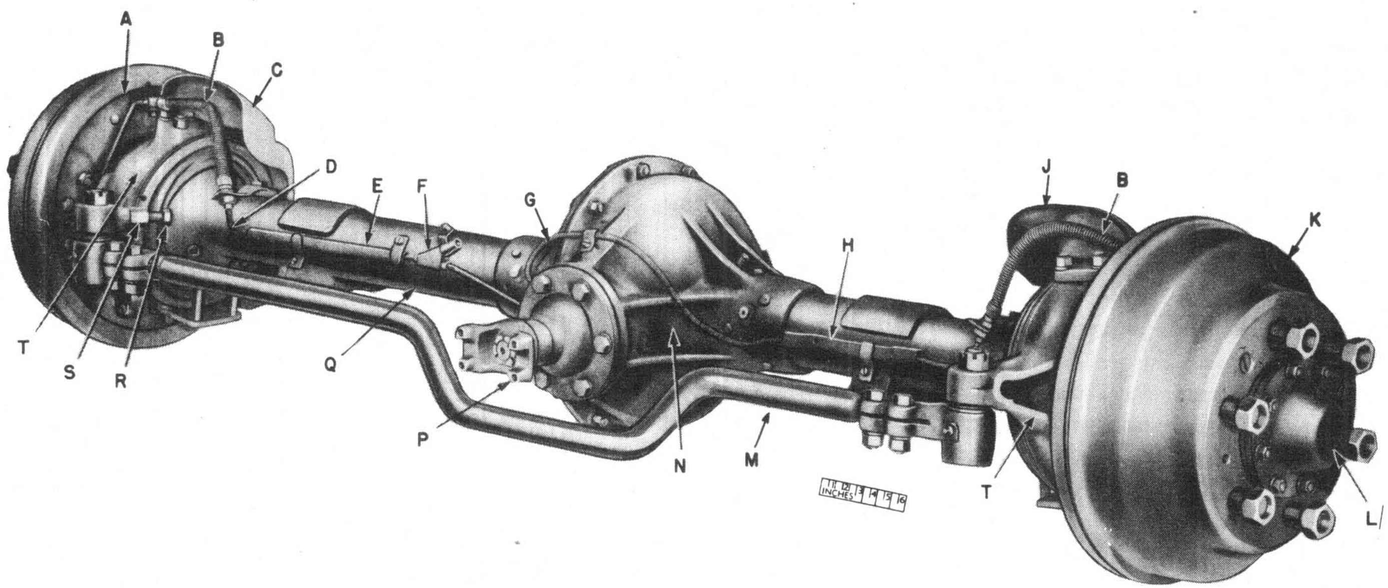
Key	*Item*	*Part No.*	*Group No.*
A	BOLT	A283352	0900
B	FLANGE	B248692	0900
C	WASHER	103321	0900
D	NUT	218581	0900
E	COVER	C118162	0900
F	SPACER	A283035	0900
G	GASKET	A283036	0900
H	LOCK	A283802	0900
J	WASHER	A283801	0900
K	CUP (Part of A283040)	A283040-B	0900
L	KEY	A283997	0900
M	WASHER	103329	0900
N	SCREW	217054	0900
P	HOUSING	C117242	0900
Q	PLUG	A283318	0900
R	BUSHING	A283041	0900
	PLUG	219187	0900
S	CONE (Part of A283040)	A283040-A	0900
T	COVER	C118163	0900
U	PIN	103389	0900
V	NUT	A283271	0900
W	SCREW	216959	0900
X	WASHER	103320	0900
Y	SHAFT	C118161	0900
Z	NUT	A283804	0900

RA PD 28536C

GROUP 09—PROPELLER SHAFT

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					0900—PROPELLER SHAFT AND UNIVERSAL JOINT, ASSEMBLY AND PARTS, INCLUDES CARRIER AND PILLOW BLOCKS (Cont'd)		
	G136-0184602	07-2 08-3	B248693 (SP-K4-4-1291)	B248693	FLANGE, companion, transmission end, propeller shaft universal joint	2	
	G136-0314867	07-2	A276924 (WG-T95-50)	A276924	NUT, transmission transfer unit universal joint flange (hex., 1-20NEF)	1	
	G136-0314881	08-3	A283271 (WG-J1-50)	A283271	NUT, transmission transfer unit output shaft universal joint flange (hex-hd., S., 1-20NEF)	3	
H-1	H001-0811054	07-2	103387		PIN, cotter, split, S. (type B), $\frac{1}{8}$ x $1\frac{1}{2}$	1	
H-1	H001-0811055	08-3	103388		PIN, cotter, split, S. (type B), $\frac{1}{8}$ x $1\frac{3}{4}$	1	
	G134-0442633	07-2 08-3	A283188 (WG-J4-50$\frac{1}{2}$)	A283188	WASHER, transmission transfer unit input and output flange (S., $1\frac{1}{16}$ I.D. x $1\frac{13}{16}$ O.D. x $\frac{3}{16}$ thk.)	2	
	G134-0184641	08-4,5	C117281 (SP-K-34204)	C117281	FLANGE, companion, transfer unit end, propeller shaft universal joint	3	
	G136-0314881	08-4,5	A283271 (WG-J1-50)	A283271	NUT, transmission transfer unit flange (hex. S., 1-20NEF)	1	
H-1	H001-0811055	08-3,4,5	103388		PIN, cotter, split, S. (type B), $\frac{1}{8}$ x $1\frac{3}{4}$	3	
	G134-0442633	08-3,4,5	A283188 (WG-J4-50$\frac{1}{2}$)	A283188	WASHER, transmission transfer unit flanges (S., $1\frac{1}{16}$ I.D. x $1\frac{13}{16}$ O.D.)	3	
	G134-0193856	09-5	A283036	A283036	GASKET, cover, propeller shaft pillow block housing	2	
	G134-0122245	09-5	C117242	C117242	HOUSING, pillow block	1	
	G102-0305206	09-2,4	A294021 (SP-K5-10-X)	A294021	KIT, repair, propeller shaft universal joint (except transmission to transfer unit).	8	
					(Consists of:		
	G134-0118009		A283402	A283402	4–BEARING		
	G197-7008452		B289258	B289258	1–FITTING		
			A283404	A283404	4–SNAP RING		
	G134-0389540		A283394	A283394	1–SPIDER)		
	G122-0406350	09-3	A281868 (SP-K5-15-X)	A281868	KIT, repair, propeller shaft universal joint (transmission to transfer unit shaft)	2	
					(Consists of:		
	G134-0118010		A283075	A283075	4–BEARING		
	G134-0131256		A283074	A283074	4–CAP		
	G197-7008452		B289258	B289258	1–FITTING		
	G136-0382096		A281983	A281983	8–SCREW		
	G134-0389543		A283084	A283084	1–SPIDER		
	G134-0391991		A283083	A283083	4–STRAP)		
	G136-0279848	09-5	A283802	A283802	LOCK, propeller shaft pillow block pinion shaft front bearing adjusting nut	2	
	G136-0314875	09-5	A283804	A283804	NUT, adjusting, propeller shaft pillow block bearing (S., $1\frac{1}{2}$-20NEF)	2	

	G136-5284352		A284352	A284352	PACKING, cork, propeller shaft pillow block shaft	1
	G136-0340683		A283724 (SP-K3-68-33)	A283724	PLUG, expansion, 1.558 diam., propeller shaft sleeve	4
H-6	H006-0283800	09-5	219187		PLUG, pipe, sq-hd., black, $\frac{1}{8}$ in. (propeller shaft pillow block housing)	2
	G134-0340397	09-5	A283318	A283318	PLUG, ventilator, propeller shaft pillow block housing	1
	G136-032807	09-3	A283088 (SP-K-4-16-83)	A283088	SEAL, oil, cork, propeller shaft universal joint sleeve ($1\frac{13}{32}$ I.D. x 2.00 O.D. x $\frac{3}{8}$ thk.)	1
H-13	H013-0500144		A283803	A283803	SEAL, oil, propeller shaft pillow block flange	2
	G134-0382890	09-2,4	A283431 (SP-K3-16-53)	A283431	SEAL, oil, propeller shaft universal joint sleeve	4
	G136-0384659	09-5	C118161	C118161	SHAFT, propeller plllow block, w/NUT, assembly	1
	G136-0384803	09-1	C118028 (SP-9215-SF)	C118028	SHAFT, propeller, transmission transfer unit to front axle, w/SLEEVE, assembly ($14\frac{1}{2}$ in. long)	1
	G136-0482502	09-1	C118022-A	C118022	SHAFT, propeller, transmission transfer unit to intermediate axle, w/SLEEVE, assembly ($17\frac{1}{2}$ in. long)	1
	G136-0384802	09-1	C118023	C118023	SHAFT, propeller, pillow block to rear axle, w/SLEEVE, assembly (25 in. long)	1
	G136-0482500	09-4	C118023-A	C118023	SHAFT, propeller, pillow block to rear axle (23 in. long)	1
	G136-0482501	09-4	C118028-A	C118028	SHAFT, propeller, transfer case to front axle (12 in. long)	1
	G136-0482503	09-2	C118022-C	C118022	SHAFT, propeller, transfer case to intermediate axle, assembly ($15\frac{9}{32}$ in. long)	1
	G136-0384801	09-1	C118022-B (SP-9213-SF)	C118022	SHAFT, propeller, transmission transfer unit to pillow block, assembly (25 in. long)	1
	G136-0384804	09-1	C118029 (SP-9214-SF)	C118029	SHAFT, propeller, transmission to transfer unit, w/SLEEVE, assembly ($32\frac{1}{16}$ in. long)	1
		09-2	C118022-D	C118022	SHAFT, propeller, $22\frac{9}{16}$ in. long, transfer case to pillow block	1
	G136-0482504	09-3	C118029-A	C118029	SHAFT, propeller, $29\frac{3}{8}$ in. long, transfer case to transmission	1
		09-4	A284280	A284280	SLEEVE, propeller shaft, pillow block to rear axle and transfer case to front axle	2
		09-2	A283053	A283053	SLEEVE, propeller shaft, transfer case to intermediate axle and pillow block	2
		09-3	A284302	A284302	SLEEVE, propeller shaft, transmission to transfer case	1
	G134-0389415	09-5	A283035 (TD-1244M273)	A283035	SPACER, pillow block cover, $\frac{1}{8}$ thk.	2
	G134-0389428	09-4	A283089	A283089	SPACER, propeller drive shaft	1
	G134-0124145	09-5	A283352	A283352	U-BOLT, propeller shaft universal joint trunnon bearing to flange ($\frac{3}{8}$-24NF-3)	16
H-1	H001-0719003	09-5	218581		NUT, reg., hex., s-fin., alloy-S., $\frac{3}{8}$-24NF-2	32
H-1	H001-1518009	09-5	103321		WASHER, lock, reg., S., $\frac{3}{8}$ in. (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	32
	45-V-18129-3		45-V-18129-3		VALVE, relief, propeller shaft universal joint lubrication	10
	G136-0443074	09-5	A283801	A283801	WASHER, propeller shaft pillow block front bearing adjusting nut	1
	G136-0443069	09-2,4	A283723 (SP-3-$\frac{1}{2}$-15-53)	A283723	WASHER, retainer, propeller shaft universal joint sleeve oil seal (S., 1.275 I.D. x 1.682 O.D. x .034 thk.)	4
	G136-0443060	09-3	A283054 (SP-4-15-43)	A283054	WASHER, retainer, propeller shaft universal joint oil seal (S., $1\frac{7}{16}$ I.D. x 1.943 O.D. x .036 thk.)	1



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FIGURE 10-1—FRONT AXLE, ASSEMBLY (B248971)

Key	Item	Part No.	Group No.
A	PLATE (See Figure 12-2)		
B	LINE	A285128-A	1204.3
C	GUARD	D67415-B	1004
D	LINE	B248899	1204.3
E	GUARD	C118339	1204.3
F	CONNECTOR	B248893	1204.3
G	LINE	C118340	1204.3
H	GUARD	C118158	1204.3
J	GUARD	D67415-A	1004
K	DRUM (See Figure 13-2)		
L	CAP	B248757	1312
M	TIE ROD (See Figure 14-3)	C118025	1401.2
N	HOUSING	D67343	1001
P	FLANGE	B248692	0900
Q	HOUSING	D67344	1001
R	SCREW	A283749	1004
S	NUT	A283748	1004
T	KNUCKLE (See Figure 10-3)		

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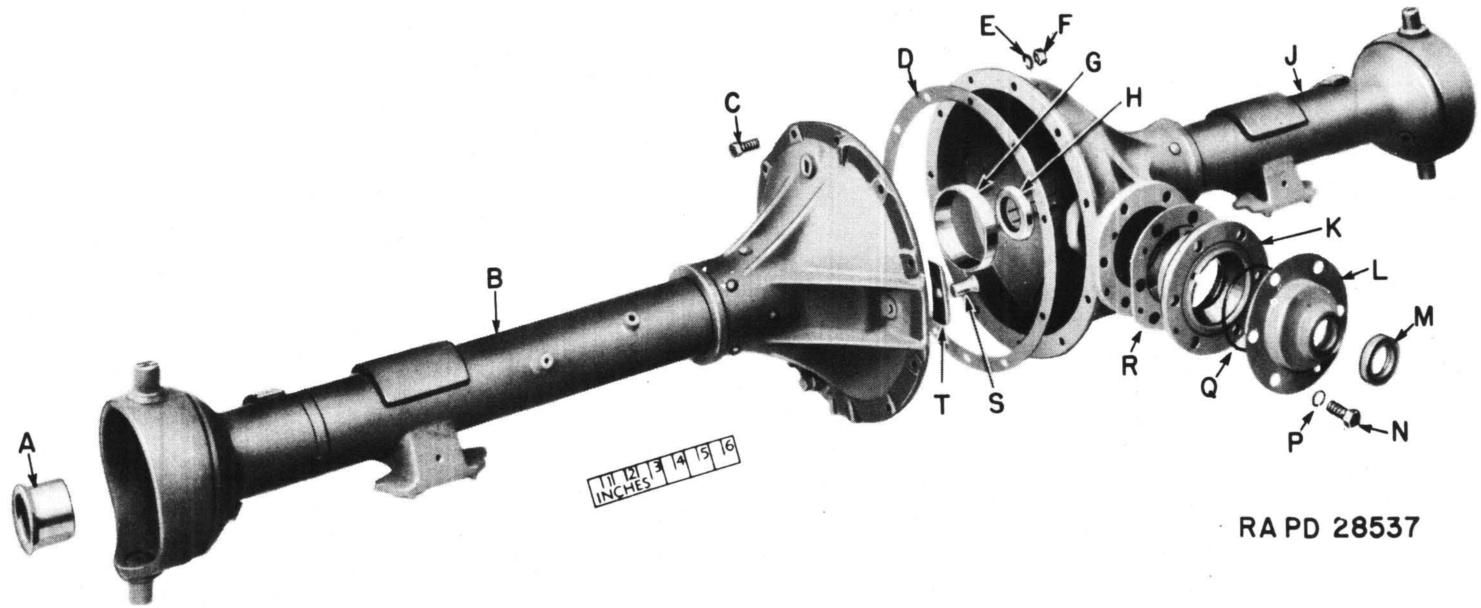


FIGURE 10-2—FRONT AXLE HOUSING (EXPLODED)

Key	Item	Part No.	Group No.
A	BUSHING, assembly	A284074	1001
B	HOUSING	D67344	1001
C	BOLT	A276969	1001
D	GASKET	B248709	1001
E	WASHER	103328	1001
F	NUT	218582	1001
G	CUP	B248708-B	1002
H	SEAL, oil	A283831	1006
J	HOUSING	D67343	1001
K	SLEEVE, assembly	C118191	1002
L	COVER, assembly	C118190	1001
M	SEAL, oil	A283830	1002
N	SCREW	217128	1001
P	WASHER	103330	1001
Q	GASKET	A283791	1002
R	SHIM	B248852	1002
S	PIN	A283385	1001
T	BLOCK	A283386	1001

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GROUP 10—FRONT AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 10—FRONT AXLE		
					1000—FRONT AXLE, ASSEMBLY		
	~~G136-0114071~~ G-136-62-48472	10-1	B248971	B248971	AXLE, front, assembly (includes companion flange, nut and key brake lines tee and fittings. Flexible brake hose at tee, brake line protection covers, steering arm and ball stud, hubs, drums and wheel nuts, tie rod, assembly)	1	
					1001—FRONT AXLE HOUSING, PLUGS AND GASKETS		
	G134-0122235	10-2	A283386	A283386	BLOCK, thrust, differential drive gear	1	
	G136-0336157	10-2	A283385	A283385	PIN, dowel, S., front axle differential drive gear thrust block (½ x 1¼)	1	
	G136-0128021		A284054	A284054	BUSHING, bz., spindle shaft (ream and burnish to 1.887 after installing) (part of A284074)	2	
	G136-0387140	10-2	A284074 (TD-1244-A-365)	A284074	BUSHING, front axle housing spindle shaft (burnish to 1.887 I.D.)	2	
					(Consists of:		
	G136-0128021		A284054	A284054	1–BUSHING		
			A284074-A	A284074	1–SLEEVE)		
	G136-0140246	10-2	C118190 (TD-A1-3266-W-49)	C118190	COVER, differential drive pinion, assembly	1	
					(Consists of:		
			C118190-A	C118190	1–COVER		
H-13	H013-0500050		A283830	A283830	1–SEAL, oil)		
H-1	H001-1013089	10-2	217128		SCREW, cap, hex-hd., S., 9/16-12NC-2 x 1¼	6	
H-1	H001-1516012	10-2	103330		WASHER, lock, hv., S., 9/16 in. (.593 I.D. x .968 O.D. x 3/16 thk.)	6	
	G136-0194070	10-2	B248709 (FM-BB-4035)	B248709	GASKET, front axle differential housing	1	
	G136-0217866	09-1 10-1,2	D67343	D67343	HOUSING, front axle, right, assembly	1	
					(Consists of:		
			E5506	E5506	1–HOUSING, bell		
			A283919	A283919	1–PAD		
			A283733	A283733	2–PIN		
			(BMCX2)		8–RIVETS		
			C118030	C118030	1–SEAT		
			D67340-A	D67340	1–TUBE)		
	G136-0217867	09-1 10-1,2	D67344	D67344	HOUSING, front axle, left half, assembly	1	

					(Consists of:	
			D67351	D67351	1–HOUSING, bell	
			C118030	C118030	1–PAD	
			A283919	A283919	1–PAD	
			A283733	A283733	2–PIN	
			(BMCX2)		8–RIVETS	
			D67340-B	D67340	1–TUBE)	
	G134-0124084	10-2	A276969 (FM-350616-S)	A276969	BOLT, hex-hd., joining, front axle differential housing (S., 7/16-20NF-2 x 1 3/4)	11
H-1	H001-0719004	10-2	218582		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	11
H-1	H001-1516010	10-2	103328		WASHER, lock, hv., S., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.)	11
H-6	H006-0283800		219187		PLUG, pipe, sq-hd., black, 1/8 in. (front axle housing)	1
H-6	H006-0283815		219199 (FM-353064-S)		PLUG, pipe, sq-hd., black, 1/2 in. (front axle housing socket)	2
H-16	H106-0144027		A284307 (FM-353051-S)	A284307	PLUG, pipe, sq-hd., black, 3/4 in., front axle differential housing oil filter	2
	G134-0340397		A283318	A283318	PLUG, ventilator, front axle, housing	1
					1002—FRONT AXLE, GEARS, SHAFTS AND BEARINGS	
H-12	H012-0707623	11-3	A283827 (HY-U-1305-TDM)	A283827	BEARING, ball, .9839 bore x 2.4384 O.D. x .748 thk. pilot, front axle differential drive pinion, assembly	1
H-12	H012-6178920	11-3	B248713-A (TIM-53176)	B248713	CONE, taper roller bearing, 1 3/4 bore x 1.118 thk., front axle differential drive pinion shaft, w/ROLLER	2
H-12	H012-6127580	11-3	B248708-A	B248708	CONE, taper roller bearing, 2 5/8 bore x 1.1925 thk., front axle differential carrier, w/ROLLER, assembly	2
H-12	H012-6211600	10-2	B248708-B (TIM-3920)	B248708	CUP, taper roller bearing, 4 7/16 O.D., front axle, differential carrier bearing	2
H-12	H012-6231530	11-3	B248713-B (TIM-53375)	B248713	CUP, taper roller, 3 3/4 O.D., front axle differential drive pinion bearing	2
	G136-0194072	10-2	A283791 (FM-BB-4662)	A283791	GASKET, front axle differential drive pinion bearing sleeve (cork, 4 9/16 I.D. x 4 13/16 O.D. x 5/32 thk.)	1
	G136-0196013	11-3	B248855 (TD-2834-F-58)	B248855	GEAR, front axle differential side (18 teeth)	2
	G136-0196025		A284240	A284240	GEAR, front axle differential, 6.66:1, w/PINION SET, assembly	1
					(Consists of:	
	G136-0132617		C118192	C118192	1–CASE	
	G136-0132616		C118193	C118193	1–CASE	
	G136-0196058		A283767	A283767	1–GEAR, w/PINION, matched	
	G136-5284374		A284374	A284374	12–RIVETS	
	G134-0381940		A283032	A283032	8–SCREWS)	
	G136-0369933	11-3	A283826 (TD-1229-2-338)	A283826	LOCK, front axle differential drive pinion pilot bearing	1

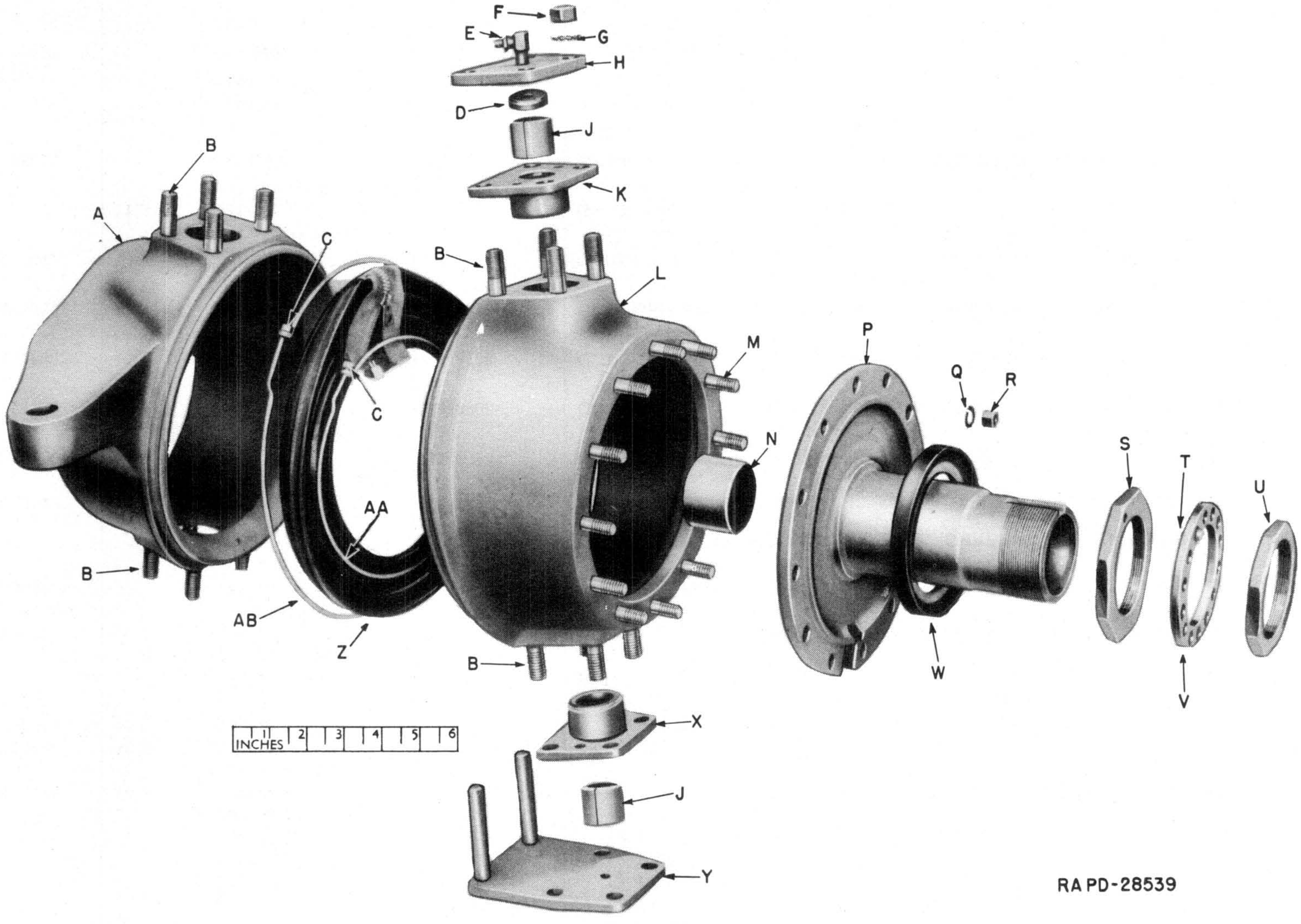


FIGURE 10-3—FRONT AXLE STEERING KNUCKLE (EXPLODED)

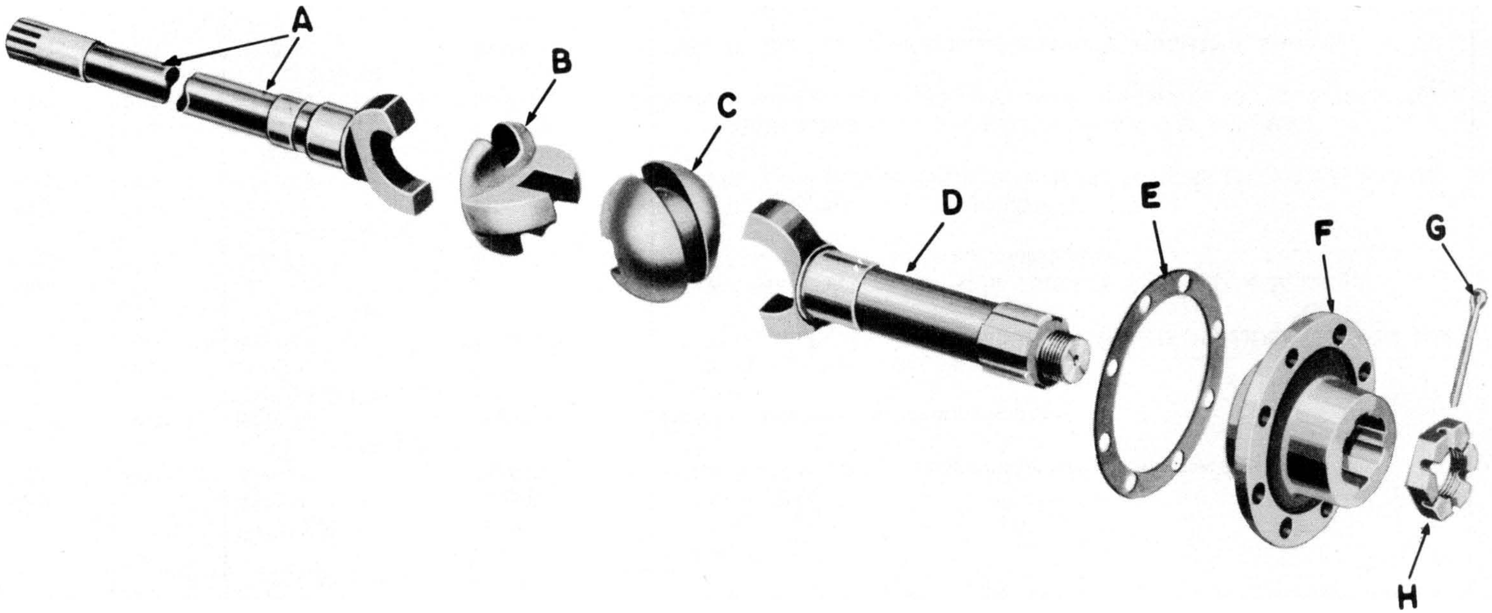
FIGURE 10-3—FRONT AXLE STEERING KNUCKLE (EXPLODED)

Key	Item	Part No.	Group No.
A	KNUCKLE	D67342-C	1004
B	STUD	A284000	1004
C	NUT	A284417	1004
D	SPACER	A283739-A to G	1004
E	FITTING	504208	1004
F	NUT	218571	1004
G	WASHER	103329	1004
H	PLATE	A283737	1004
J	BUSHING	A283738	1004
K	SLEEVE, w/BUSHING	B248753	1004
L	KNUCKLE	D67342-D	1004
M	STUD	A283744	1004
N	BUSHING	A283728	1004
P	SPINDLE	C118087	1004
Q	WASHER	103321	1004
R	NUT	218565	1004
S	NUT	A283730	1311
T	PIN	A283729	1311
U	NUT	A283732	1311
V	WASHER	B248752	1311
W	SEAL, oil	A283743	1311
X	SLEEVE, w/BUSHING	B248754	1004
Y	PLATE	B248755	1004
Z	BOOT	C100433	1004
AA	CLAMP	C118092	1004
AB	CLAMP	C118091	1004

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GROUP 10—FRONT AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1002—FRONT AXLE, GEARS, SHAFTS AND BEARINGS (Cont'd)		
	G136-0314884	11-3	A283793 (FM-B-4634)	A283793	NUT, front axle differential drive pinion bearing (1 9/16-20NF-4)	2	
	G134-0338442		A283354 (FM-HB-4256)	A283354	PIN, locating, front axle differential drive pinion bearing sleeve	1	
	G134-0338615	11-3	C117240	C117240	PINION, bevel, S., 9 teeth, front axle differential spider	4	
	G136-5284374		A284374	A284374	RIVET, differential drive gear to case (fl-hd., S., 7/16 x 1 17/32)	12	
	G134-0381940	11-3	A283032	A283032	SCREW, front axle differential gear case (hex-hd., S., dld. f/lkg. wire, 1/2-13NC-3 x 2.62)	8	
H-13	H013-0500050	10-2	A283830	A283830	SEAL, oil, front axle differential drive pinion shaft bearing	1	
	G136-0385012	10-2	B248852 (TD-2203-G-319)	B248852	SHIM, adjusting, front axle differential drive pinion bearing (S., .0035 thk.)	A.R.	
	G136-0387116	10-2	C118191 (TD-3226-B-28)	C118191	SLEEVE, front axle drive pinion, assembly	1	
					(Consists of:		
H-12	H012-6231530		B248713-B	B248713	2–CUPS		
	G134-0338442		A283354	A283354	1–PIN		
			C118191-A	C118191	1–SLEEVE)		
	G134-0389541	11-3	C117239	C117239	SPIDER, front axle differential, assembly	1	
	G136-0443080	11-3	A283789 (FM-B-4636-A1)	A283789	WASHER, lock, front axle differential drive pinion bearing adjusting nut (optional with A283790)	1	
	G136-0443081	11-3	A283792 (FM-BB-4667)	A283792	WASHER, thrust, front axle differential drive pinion bearing (S., 1 19/32 I.D. x 2 3/16 O.D. x 1/8 thk.)	1	
	G136-0443083	11-3	A283923 (TD-1229-V-412)	A283923	WASHER, thrust, front axle differential side gear (S., 2.317 I.D. x 4.00 O.D. x 1/16 thk.)	2	
	G134-0442629	11-3	A283034	A283034	WASHER, thrust, front axle differential spider pinion	4	
H-9	H009-0101721		(AMCX1)		WIRE, locking, 16 gage, front axle differential case bolt (in pound rolls) (lock, black, annealed, No. 18, .045 x .049 x 22) (replaces A283353-B)	A.R.	
					1004—FRONT AXLE STEERING KNUCKLES		
	G103-1524323	10-3	C100433 (TD-3280-P-1602)	C100433	BOOT, dust, front axle steering knuckle (zipper type)	2	
	G136-0137806	10-3	C118092 (TD-3280-3-1622)	C118092	CLAMP, front axle steering knuckle dust boot, inner	2	
	G136-0137805	10-3	C118091 (TD-3280-4-1620)	C118091	CLAMP, front axle steering knuckle dust boot, outer	2	
H-1	H001-0716530	10-3	A284417	A284417	NUT, hex., S., No. 6 (.138-32NC-2)	4	



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FIGURE 10-4—FRONT AXLE UNIVERSAL JOINT ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	SHAFT, right	C118101-A	1006
	SHAFT, left	C118101-B	1006
B	JOINT (Part of A284284)	C118097	1006
C	JOINT (Part of A284284)	C118095	1006
D	SHAFT	C118099	1006
E	GASKET	B248756	1006
F	FLANGE	C118089	1006
G	PIN	103390	1006
H	NUT	A283727	1006

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GROUP 10—FRONT AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MAMUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1004—FRONT AXLE STEERING KNUCKLES (Cont'd)		
	G136-0128022	10-3	A283728 (TD-1225-V-281)	A283728	BUSHING, front axle steering knuckle spindle shaft (ream and burnish to 1.904 ±.002)	2	
	G136-0128035	10-3	A283738 (TC-1225-T-280)	A283738	BUSHING, steel back bronze, front axle steering knuckle (line ream and burnish to 1.125 ± .001 diam. in place)	4	
H-2	H002-0504208	10-3	504208 (AD-1980)		FITTING, lubricating, straight, 1/8 in., front axle steering knuckle, assembly	4	
	G136-0205409	10-1	D67415-B	D67415	GUARD, front axle steering knuckle dust boot, left	1	
	G136-0205408	10-1	D67415-A	D67415	GUARD, front axle steering knuckle dust boot, right	1	
	G136-0264061	10-3	D67342-D (TD-311-E-629)	D67342	KNUCKLE, steering, left	1	
					(Consists of:		
			D67342-B	D67342	1–KNUCKLE		
	G136-0392330		A283744	A283744	12–STUDS)		
	G136-0264060	10-3	D67342-C (TD-311-D-628)	D67342	KNUCKLE, steering, right	1	
					(Consists of:		
			D67342-A	D67342	1–KNUCKLE		
	G136-0392330		A283744	A283744	12–STUDS)		
	G136-0314874	10-1	A283748 (TD-1227-Q-225)	A283748	NUT, jam, front axle steering knuckle wheel stop screw (9/16-12NC)	2	
	G136-0340204	10-3	B248755 (TD-117-P-68)	B248755	PLATE, rest, front axle steering knuckle	2	
H-1	H001-0718025	10-3	218571		NUT, reg., hex., s-fin., 1/2-20NF-2	16	
	G136-0392332	10-3	A284000 (TD-4-X-186)	A284000	STUD, front axle steering knuckle rest plate (S., 1/2-20USF (3/4) x 2 x 1/2 x 13 USS (3/4))	8	
H-1	H001-1516011		103329		WASHER, lock, hv., S., 1/2 in. (.515 I.D. x .859 O.D. x 11/64 thk.)	8	
	G136-0340213	10-3	A283737 (TD-1107-Q-69)	A283737	PLATE, rest, front axle steering knuckle, top	2	
H-1	H001-0718025	10-3	218671		NUT, reg., hex., s-fin., S., 1/2-20NF-2	8	
	G136-0392332	10-3	A284000 (TD-4-X-186)	A284000	STUD, rest plate to steering knuckle (S., 1/2-20USF (3/4) x 2 x 1/2 x 13 USS (3/4))	8	
H-1	H001-1516011	10-3	103329		WASHER, lock, hv., 1/2 in. (.515 I.D. x .859 O.D. x 11/64 thk.)	8	
	G136-0382079	10-1	A283749 (TD-2-X-64)	A283749	SCREW, front axle steering knuckle wheel stop (hex-hd., S., 9/16-12 USS x 2 9/16)	2	
	G136-0387142	10-3	B248754	B248754	SLEEVE, front axle steering knuckle, lower, w/BUSHING, assembly	2	
					(Consists of:		
	G136-0128035		A283738	A283738	1–BUSHING		
			B248754-A	B248754	1–SLEEVE)		

	G136-0387141	10-3	B248753 (TD-A2297-G-475)	B248753	SLEEVE, front axle steering knuckle, upper, w/BUSHING, assembly	2
	G136-0389410	10-3	A283739-B (TD-1244-A-313)	A283739	SPACER, .197 thk., front axle steering knuckle sleeve	A.R.
	G136-0389409	10-3	A283739-A (TD-1244-A-313)	A283739	SPACER, 1.87 thk., front axle steering knuckle sleeve	A.R.
	G136-0389411	10-3	A283739-C (TD-1244-A-313)	A283739	SPACER, 2.07 thk., front axle steering knuckle sleeve	A.R.
	G136-0389412	10-3	A283739-D (TD-1244-A-313)	A283739	SPACER, 2.17 thk., front axle steering knuckle sleeve	A.R.
	G136-0389413	10-3	A283739-E (TD-1244-A-313)	A283739	SPACER, .227 thk., front axle steering knuckle sleeve	A.R.
	G136-0389414	10-3	A283739-F (TD-1244-A-313)	A283739	SPACER, .237 thk., front axle steering knuckle sleeve	A.R.
	G136-0389415	10-3	A283739-G (TD-1244-A-313)	A283739	SPACER, .247 thk., front axle steering knuckle sleeve	A.R.
	G136-0389601	10-3	C118087 (TD-3111-H-606)	C118087	SPINDLE, front axle steering knuckle	2
H-1	H001-0718023	10-3	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	24
	G136-0392330	10-3	A283744 (TD-4-X-41)	A283744	STUD, front axle steering knuckle to spindle (S., 3/8-16 USS (7/16) x 1 5/8 x 3/8-24NF-2 (3/4) (reviewed in group 1302))	24
H-1	H001-1518009	10-3	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.) (reviewed in group 1203)	24
					1006—FRONT AXLE, UNIVERSAL JOINT, SHAFTS AND FLANGES	
	G136-0184603		C118089 (TD-3270-G-33)	C118089	FLANGE, drive, front axle	2
	G136-0314873	10-4	A283727	A283727	NUT, castle, drive flange to spindle shaft (S., 1 3/8-12 USF)	2
H-1	H001-0719004		218582		NUT, reg., hex., s-fin., S., 7/16-20NF-2	11
H-1	H001-0811057		103390		PIN, cotter, split, S. (type B), 1/8 x 2 1/4	2
	G136-0392331		A283745	A283745	STUD, front axle drive flange to hub (S., 7/16-20NF-2 (9/16) x 2 1/64 x 7/16-14 USS (5/8))	16
H-1	H001-1516010		103328		WASHER, lock, hv., S., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.) (required on axle flange)	16
	G136-0194068	10-4	B248756 (TD-2208-T-254)	B248756	GASKET, front axle drive flange	2
	G136-5284284	10-4	A284284 (NP-38574)	A284284	JOINT, universal, front axle drive shaft	2
					(Consists of:	
	G136-0248784		C118095	C118095	1–JOINT, female	
	G136-0248787		C118097	C118097	1–JOINT, male)	

GROUP 10—FRONT AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
	H013-0500094	10-2	A283831 (CM-10379-A)	A283831	SEAL, oil, front axle drive shaft housing, inner (~~1 13/16 I.D. x 2.88 O.D. x 1/2 width~~) 1 3/4 x 2,879 x 1/2	2	
	G136-0384653	10-4	C118101-B (NP-38573)	C118101	SHAFT, drive, front axle, left (38.35 long)	1	
	G136-0384652	10-4	C118101-A (NP-38572)	C118101	SHAFT, drive, front axle, right (26.35 long)	1	
	G136-0389602	10-4	C118099	C118099	SHAFT, front axle spindle	2	

GROUP 11—REAR AND INTERMEDIATE AXLE

1100—REAR AXLE, ASSEMBLY

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
	G136-0114073	11-1	B248973	B248973	AXLE, rear, assembly (includes brake lines and fittings, brake line protecting covers, flexible brake lines; companion flange, nut and key; torque rod pins and nuts; hubs, drums, and wheel nuts)	1	

1100—INTERMEDIATE AXLE, ASSEMBLY

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
	G136-0114072		B248972	B248972	AXLE, intermediate, assembly (includes brake lines and fittings, brake line protecting covers, flexible brake lines, companion flange, nut and key; torque rod pins and nuts; hubs, drums, and wheel nuts)	1	

1101—INTERMEDIATE AXLE HOUSING

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8
	G134-0122235	11-2	A283386	A283386	BLOCK, thrust, front axle differential drive gear	1	
	G136-0336157	11-2	A283385	A283385	PIN, S., differential drive gear thrust block	1	
	G136-0140246	11-2	C118190 (TD-A1-3266-W-49)	C118190	COVER, differential drive pinion, assembly	1	
					(Consists of:		
			C118190-A	C118190	1–COVER		
H-13	H013-0500050		A283830	A283830	1–SEAL, oil)		
H-1	H001-1013089	11-2	217128		SCREW, cap, hex-hd., S., 9/16-12NC-2 x 1 1/4	6	
H-1	H001-1516012	11-2	103330		WASHER, lock, hv., S., 9/16 in. (.593 I.D. x .968 O.D. x 3/16 thk.)	6	
	G136-0194070	11-2	B248709	B248709	GASKET, forward axle differential housing, rear	1	

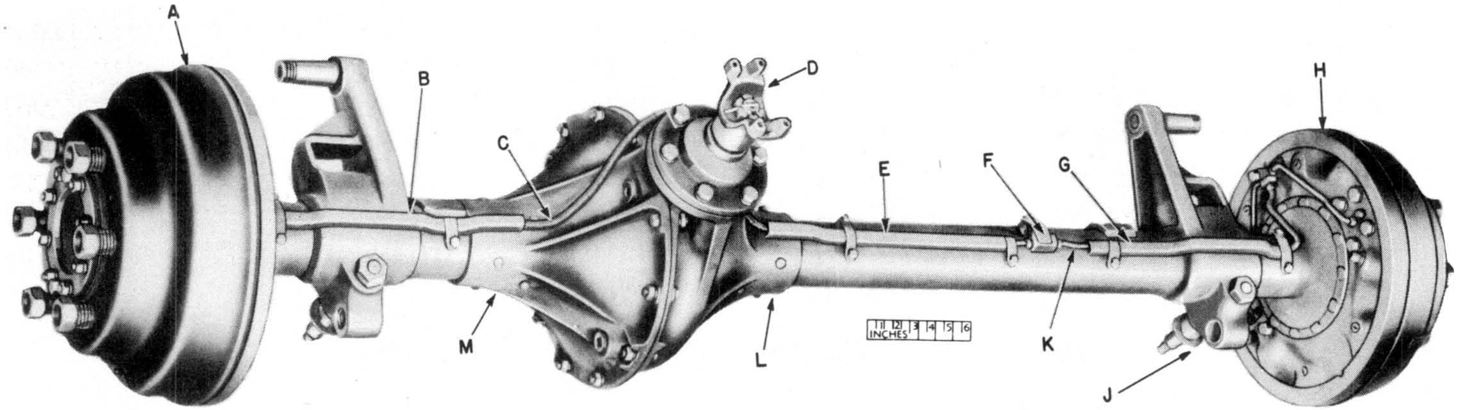
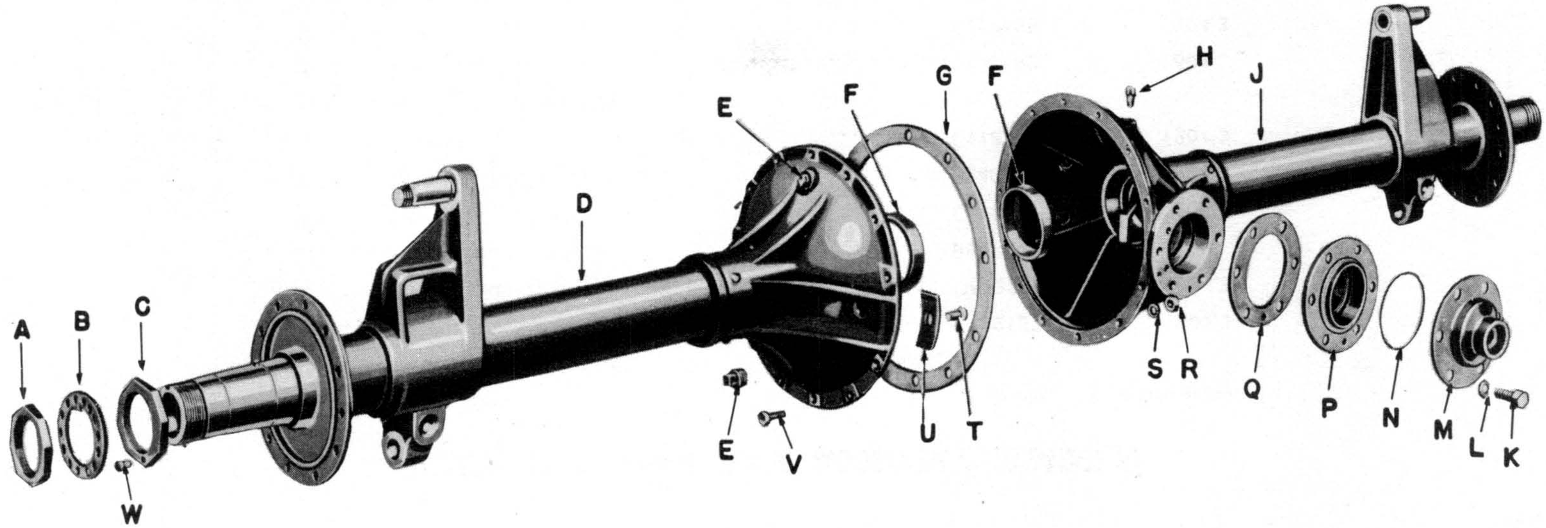


FIGURE 11-1—REAR AXLE ASSEMBLY (B248973)

Key	Item	Part No.	Group No.
A	DRUM (see Figure 13-2)		
B	GUARD	C118157	1204.3
C	LINE, flexible	D67383	1204.3
D	FLANGE	B248692	0900
E	GUARD	C118131	1204.3
F	CONNECTOR	B248805	1204.3
G	GUARD	C118126	1204.3
H	PLATE (see Figure 12-2)		
J	STUD	B248682	1604
K	TUBING	C118128	1204.3
L	HOUSING, assembly	D67355	1101
M	HOUSING, assembly	D67354	1101

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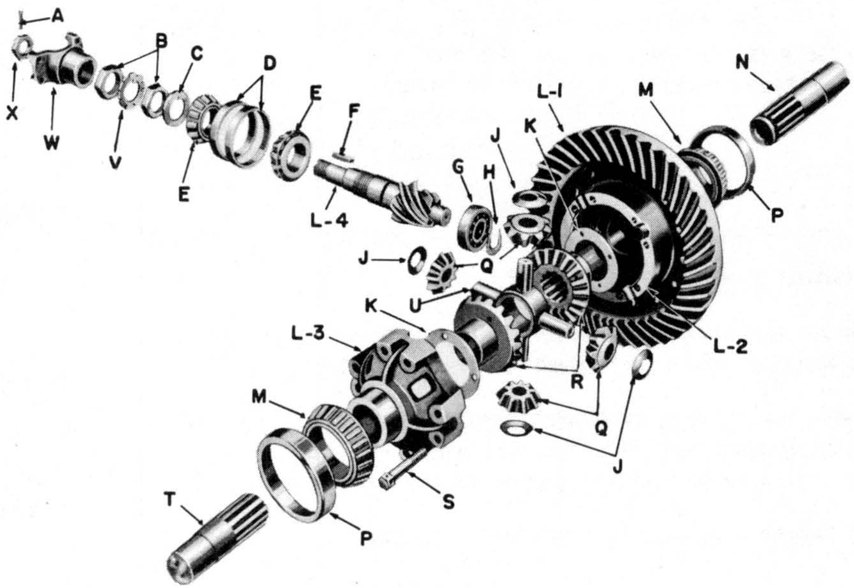
FIGURE 11-2—REAR AXLE HOUSING (EXPLODED)

Key	Item	Part No.	Group No.
A	NUT	A283732	1311
B	WASHER	B248752	1311
C	NUT	A283730	1311
D	HOUSING	D67354	1101
E	PLUG	A284307	1101
F	CUP	B248708-B	1102
G	GASKET	B248709	1101
H	PLUG	A283318	1101
J	HOUSING	D67355	1101
K	SCREW	217128	1101
L	WASHER	103330	1101
M	COVER	C118190	1101
N	GASKET	A283791	1102
P	SLEEVE	C118191	1102
Q	SHIM	B248852	1102
R	NUT	218582	1102
S	WASHER	103328	1102
T	PIN	A283385	1102
U	BLOCK	A283386	1102
V	BOLT	A276969	1101
W	PIN	A283729	1311

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GROUP 11—REAR AND INTERMEDIATE AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1101—INTERMEDIATE AXLE HOUSING (Cont'd)		
	G136-0217869	09-1 11-4	D67348	D67348	HOUSING, intermediate axle differential, left	1	
					(Consists of:		
			D67365	D67365	1–BRACKET, w/PIN, assembly		
			D67351	D67351	1–HOUSING, bell		
			(BMCX2)		8–RIVETS		
			D67356-D	D67356	1–TUBE)		
	G134-0124084	11-2	A276969 (FM-350606-S)	A276969	BOLT, intermediate axle differential housing (hex-hd., S., 7/16-20NF-2 x 1 3/4)	11	
H-1	H001-0719004	11-2	218582		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	11	
H-1	H001-1516010	11-2	103328		WASHER, lock, hv., S., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.)	11	
	G136-0217868	09-1 11-4	D67347	D67347	HOUSING, intermediate axle differential, right	1	
					(Consists of:		
			D67365	D67365	1–BRACKET, w/PIN, assembly		
			E5506	E5506	1–HOUSING, bell		
			(BMCX2)		8–RIVETS		
			D67356-C	C67356	1–TUBE)		
	G134-0124084	11-2	A276969 (FM-350616-S)	A276969	BOLT, intermediate axle differential housing (hex-hd., S., 7/16-20NF-2 x 1 3/4)	11	
H-1	H001-0719004	11-2	218582		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	11	
H-1	H001-1516010	11-2	103328		WASHER, lock, hv., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.)	11	
H-16	H016-0144027	11-2	A284307 (FM-353051-S)	A284307	PLUG, pipe, drain, sq-hd., black, 3/4 in., intermediate axle differential housing	1	
H-6	H006-0283800		219187		PLUG, pipe, sq-hd., black 1/8 in., intermediate axle differential housing	1	
	G134-0340397	11-2	A283318	A283318	PLUG, ventilating, 1/8 AM. pipe, intermediate axle differential housing	1	
					1101—REAR AXLE HOUSING		
	G136-0140246	11-2	C118190 (TD-A1-3266-W-49)	C118190	COVER, rear axle differential drive pinion, assembly	1	
					(Consists of:		
			C118190-A	C118190	1–COVER		
			A283830	A283830	1–SEAL, oil)		
H-1	H001-1013089	11-2	217128		SCREW, cap, hex-hd., S., 9/16-12NC-2 x 1 1/4	6	
H-1	H001-1516012	11-2	103330		WASHER, lock, hv., S., 9/16 in. (.593 I.D. x .968 O.D. x 3/16 thk.)	6	
	G136-0194070	11-2	B248709	B248709	GASKET, rear axle differential housing	1	



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FIGURE 11-3—REAR AXLE GEARS, SHAFTS AND BEARINGS (EXPLODED)

Key	Item	Part No.	Group No.
A	PIN	103387	0900
B	NUT	A283793	1102
C	WASHER	A283792	1102
D	CUP	B248713-B	1102
E	CONE	B248713-A	1102
F	KEY	A283997	0900
G	BEARING	A283827	1102
H	LOCK	A283826	1102
J	WASHER	A283034	1102
K	WASHER	A283923	1102
L-1	GEAR (Part of A284239)	C118047	1102
L-2	CASE (Part of A284239)	C118192	1102
L-3	CASE (Part of A284239)	C118193	1102
L-4	PINION (Part of A284239)	C118048	1102
M	CONE	B248708-A	1102
N	SHAFT	C118120-A	1102
P	CUP	B248708-B	1102
Q	PINION	C117240	1102
R	GEAR	B248855	1102
S	SCREW	A283032	1102
T	SHAFT	C118120-B	1102
U	SPIDER	C117239	1102
V	WASHER	A283789	1102
W	FLANGE	B248692	0900
X	NUT	A283271	0900

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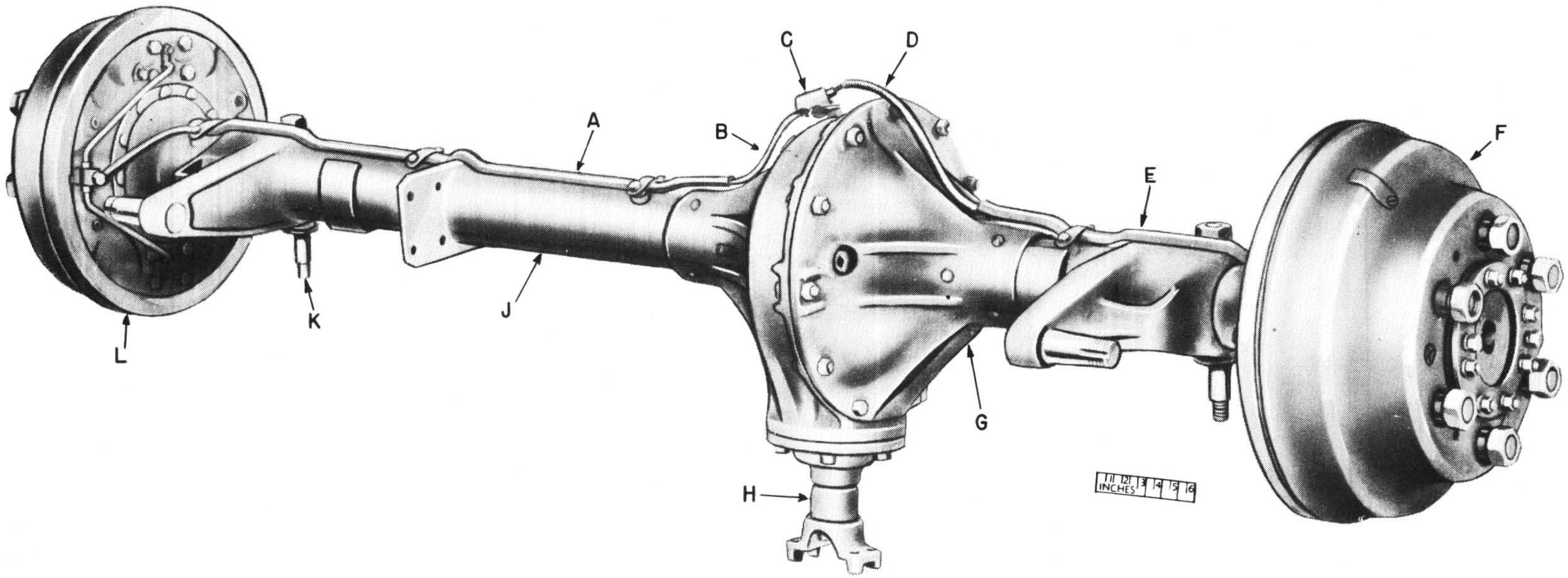
GROUP 11—REAR AND INTERMEDIATE AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1101—REAR AXLE HOUSING (Cont'd)		
	G136-0217871	09-1 11-1,2	D67355	D67355	HOUSING, rear axle differential, left, assembly	1	
					(Consists of:		
			D67465	D67465	1–BRACKET, w/PIN, assembly		
			E5506	E5506	1–HOUSING, bell		
			(BMCX2)		8–RIVETS		
			D67356-B	D67356	1–TUBE)		
	G136-0217870	09-1 11-1,2	D67354	D67354	HOUSING, rear axle, right, assembly	1	
H-2	H006-0283800		219187		PLUG, pipe, sq-hd., black, $\frac{1}{8}$ in. (rear axle differential housing)	1	
H-6	H006-0283810		A284307	A284307	PLUG, pipe, sq-hd., black, $\frac{3}{4}$ in. drain, rear axle differential housing	2	
	G134-0340397	11-2	A283318	A283318	PLUG, ventilating, rear axle differential housing	1	
					1102—REAR AXLE, GEARS, PINIONS, CARRIER AND BEARINGS		
H-12	H012-0707623	11-3	A283827 (HY-U-1305-TOM)	A283827	BEARING, 2.4384 O.D. x .9839 bore x .748 thk., pilot rear axle differential drive pinion, assembly	1	
	G134-0122235	11-2	A283386	A283386	BLOCK, thrust, rear axle differential drive gear	1	
	G136-0336157	11-2	A283385	A283385	PIN, dowel, rear axle differential drive gear thrust block	1	
H-12	H012-6178920	11-3	B248713-A (TIM-53176)	B248713	CONE, taper roller bearing, $1\frac{3}{4}$ bore x 1.21875 thk., rear axle differential drive pinion bearing, w/ROLLER, assembly	2	
H-12	H012-6127580	11-3	B248708-A (TIM-3984)	B248708	CONE, taper roller bearing, $2\frac{5}{8}$ bore x 1.1875 thk., rear axle differential carrier bearing, w/ROLLER, assembly	2	
H-12	H012-6231530	11-3	B248713-B (TIM-53375)	B248713	CUP, taper roller bearing, $3\frac{3}{4}$ O.D., rear axle differential drive pinion bearing	2	
H-12	H012-6211600	11-2,3	B248708-B (TIM-3920)	B248708	CUP, taper roller bearing, $4\frac{7}{16}$ O.D., rear axle differential carrier bearing	2	
	G136-0194072	11-2	A283791 (FM-BB-4662)	A283791	GASKET, rear axle differential drive pinion bearing sleeve cover (cork, $4\frac{9}{16}$ I.D. x $4\frac{13}{16}$ O.D. x $\frac{5}{32}$ thk.)	1	
	G136-0194068		B248756 (TD-2208-T-254)	B248756	GASKET, rear axle drive flange	2	
	G136-0196059	11-3	A284239	A284239	GEAR, rear axle differential, w/PINION and differential CASE (matched, assembly)	1	
					(Consists of:		
	G136-0196014		A283766	A283766	1–GEAR, w/drive PINION, assembly		
	G136-0132617		C118192	C118192	1–CASE		
	G136-0132616		C118193	C118193	1–CASE		
	G134-0381940		A283032	A283032	8–SCREW		
	G136-0370084		A283999	A283999	12–RIVETS)		

GROUP 11—REAR AND INTERMEDIATE AXLE

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1102—REAR AXLE, GEARS, PINIONS, CARRIER AND BEARINGS (Cont'd)		
	G136-0196013	11-3	B248855 (TD-2834-F-58)	B248855	GEAR, rear axle differential side (18 teeth)	2	
	G136-0369933	11-3	A283826 (TD-1229-2-33-8)	A283826	LOCK, rear axle differential drive pinion pilot bearing	1	
	G136-0314884	11-3	A283793	A283793	NUT, jam, rear axle differential drive pinion bearing (S., $1\frac{9}{16}$-20NF-4)	2	
	G134-0338442		A283354 (FM-BB-4256)	A283354	PIN, locating, rear axle differential drive pinion bearing sleeve	1	
	G134-0338615	11-3	C117240	C117240	PINION, bevel, S., rear axle differential spider (9 teeth)	4	
	G136-5284374		A284374	A284374	RIVET, differential rear drive gear to case (fl-hd., $\frac{7}{16}$ x $1\frac{17}{32}$)	12	
	G134-0381940	11-3	A283032	A283032	SCREW, rear axle differential gear case (hex-hd., dld. f/lkg. wire, S., $\frac{1}{2}$-13NC-3 x $2\frac{5}{8}$)	8	
H-13	H013-0500094		A283831 (CM-10379-A)	A283831	SEAL, oil, inner, $1\frac{13}{16}$ I.D. x 2.881 O.D. x $\frac{1}{2}$ width, rear axle differential housing	2	
H-13	H013-0500050		A283830	A283830	SEAL, oil, rear axle differential drive pinion shaft front bearing	1	
	G136-0384655	11-2	C118120-B	C118120	SHAFT, drive, rear axle, left ($54\frac{3}{4}$)	1	
	G136-5283152	13-2	A283152-A (FM-BB-1142-A1)	A283152	ADAPTER, rear axle drive flange to hub stud (optional with A283152-B)	8	
H-1	H001-0719004	13-2	218582		NUT, reg., hex., s-fin., S., $\frac{7}{16}$-20NF-2	8	
	G136-0392331	13-2	A283745	A283745	STUD, rear axle drive flange to hub (S., $\frac{7}{16}$-20NF-2 ($\frac{9}{16}$) x $2\frac{1}{64}$ x $\frac{7}{16}$-14 USS $\frac{5}{8}$))	8	
H-1	H001-1516010	13-2	103328		WASHER, lock, hv., S., $\frac{7}{16}$ in. (.453 I.D. .767 O.D. x $\frac{5}{32}$ thk.)	8	
	G136-0384654	11-3	C118120-A	C118120	SHAFT, drive, rear axle, right ($32\frac{3}{4}$ long)	1	
	G136-5283152	13-2	A283152-A	A283152	ADAPTER, rear axle drive flange to hub	8	
H-1	H001-0719004	11-2 13-2	218582		NUT, reg., hex., s-fin., S., $\frac{7}{16}$-20NF-2		
	G136-0202331	13-2	A283745	A283745	STUD, rear axle drive flange to hub, right (S., $\frac{7}{16}$-20NF-2 ($\frac{9}{16}$) x $2\frac{1}{64}$ x $\frac{7}{16}$-14 USS ($\frac{5}{8}$)	8	
H-1	H001-1516010	11-2 13-2	103328		WASHER, lock, hv., S., $\frac{7}{16}$ in. (.453 I.D. x .767 O.D. x $\frac{5}{32}$ thk.)	8	
	G136-0385012	11-2	B248852	B248852	SHIM, adjusting, rear axle differential drive pinion bearing (S., .0035 thk.)	A.R.	
	G136-0387116	11-2	C118191	C118191	SLEEVE, drive pinion, assembly	1	
					(Consists of:		
H-12	H012-6231530		B248713-B	B248713	2-CUPS		
	G134-0338442		A283354	A283354	1-PIN		
			C118191-A	C118191	1-SLEEVE)		
	G134-0389541	11-3	C117239	C117239	SPIDER, rear axle differential, assembly	1	
	G136-0443080	11-3	A283789	A283789	WASHER, lock, rear axle differential drive pinion bearing nut (optional with A283790)	1	

	G136-0443081	11-3	A283792	A283792	WASHER, thrust, rear axle differential drive pinion bearing (S., $1\frac{19}{32}$ I.D. x $2\frac{3}{16}$ O.D.)	1
	G136-0443083	11-3	A283923	A283923	WASHER, thrust, rear axle differential side gear (S., 2.317 I.D. x 4 O.D. x $\frac{1}{16}$ thk.)	2
	G134-0442629	11-3	A283034	A283034	WASHER, thrust, rear differential spider pinion	4
H-9	H009-0101721		(AMCX1)		WIRE, lock, differential case bolt (in one pound rolls)	A.R.
					1102—INTERMEDIATE AXLE GEARS, PINIONS, SHAFTS CARRIER AND BEARINGS	
H-12	H012-0707623		A283827 (HY-U-1305-TOM)	A283827	BEARING, pilot, 2.4384 O.D. x .9839 bore x .748 thk., intermediate axle differential drive pinion, assembly	1
	G134-0122235	11-2	A283386	A283386	BLOCK, thrust, intermediate axle differential drive gear	1
	G136-0336157		A283385	A283385	PIN, dowel, intermediate axle differential drive gear thrust block	1
H-12	H012-6178920	11-3	B248713-A (TIM-53176)	B248713	CONE, taper roller bearing, $1\frac{3}{4}$ bore x $1\frac{7}{32}$ thk., intermediate axle differential drive pinion bearing, w/ROLLER, assembly	2
H-12	H012-6127580	11-3	B248708-A (TIM-3984)	B248708	CONE, taper roller bearing, $2\frac{5}{8}$ bore x 1.1875 thk., intermediate axle differential carrier bearing, w/ROLLER, assembly	2
H-12	H012-6231530	11-3	B248713-B (TIM-53375)	B248713	CUP, taper roller bearing, $3\frac{3}{4}$ O.D., intermediate axle differential drive pinion	2
H-12	H012-6211600	11-3	B248708-B (TIM-3920)	B248708	CUP, taper roller bearing, $4\frac{7}{16}$ O.D., intermediate axle differential carrier bearing	2
	G136-0194072		A283791 (FM-BB-4662)	A283791	GASKET, cork, intermediate axle differential drive pinion bearing sleeve cover ($4\frac{9}{16}$ I.D. x $4\frac{13}{16}$ O.D. x $\frac{5}{32}$ thk.)	1
	G136-0194068		B248756 (TD-2208-T-254)	B248756	GASKET, intermediate axle drive flange	2
	G136-0196013	11-3	B248855 (TD-2834-F-58)	B248855	GEAR, bevel, intermediate axle differential side (18 teeth)	2
	G136-0196025		A284240	A284240	GEAR, intermediate axle differential, w/PINION and differential CASE (matched, assembly)	1
					(Consists of:	
	G136-0132617		C118192	C118192	1–CASE	
	G136-0132616		C118193	C118193	1–CASE	
	G136-0196058		A283767	A283767	1–GEAR, w/PINION, matched	
	G136-0370084		A283999	A283999	12–RIVETS	
	G134-0381940		A283032	A283032	8–SCREW)	
	G136-0369933	11-3	A283826 (TD-1229-2-33-8)	A283826	LOCK, intermediate axle differential drive pinion pilot bearing	1
	G136-0314884	11-3	A283793	A283793	NUT, jam, intermediate axle differential drive pinion bearing (S., $1\frac{9}{16}$-20NF-4)	2
	G134-0338442		A283354 (FM-BB-4256)	A283354	PIN, locating, intermediate axle differential drive pinion bearing sleeve	1
	G134-0338615	11-3	C117240	C117240	PINION, bevel, S., intermediate axle differential spider (9 tooth)	4
	G136-5284374		A284374	A284374	RIVET, attaching, intermediate axle differential drive gear to case (fl-hd., $\frac{7}{16}$ x $1\frac{17}{32}$)	12
	G134-0381940	11-3	A283032	A283032	SCREW, intermediate axle differential gear case (hex-hd., S., dld. f/lkg. wire, $\frac{1}{2}$-13NC-3 x 2.62)	8



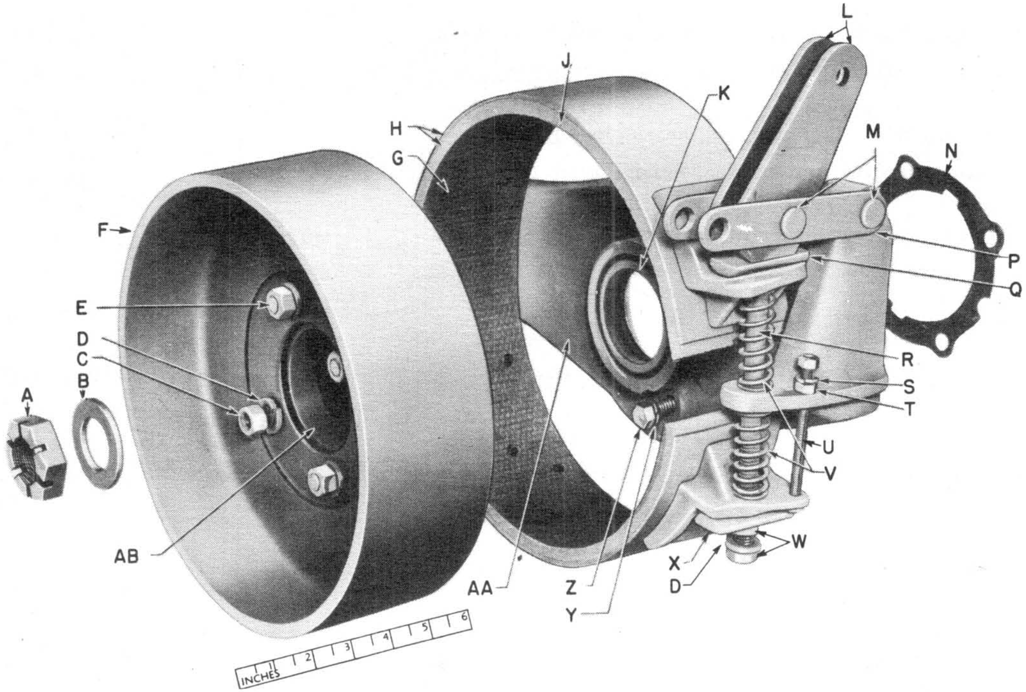
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FIGURE 11-4—INTERMEDIATE AXLE ASSEMBLY

Key	*Item*	*Part No.*	*Group No.*
A	GUARD	C118156	1204.3
B	LINE	C118337	1204.3
C	CONNECTOR	B248768	1204.3
D	LINE	C118336	1204.3
E	GUARD	C118152	1204.3
F	DRUM (see Figure 13-2)		
G	HOUSING	D67348	1101
H	FLANGE	B248692	0900
J	HOUSING	D67347	1101
K	STUD	B248682	1604
L	PLATE (see Figure 12-2)		

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1102—INTERMEDIATE AXLE GEARS, PINIONS, SHAFTS CARRIER AND BEARINGS (Cont'd)		
H-13	H013-0500050		A283830	A283830	SEAL, oil, intermediate axle differential drive pinion shaft front bearing	1	
H-13	H013-0500094		A283831 (CM-10379-A)	A283831	SEAL, oil, inner, 1$^{13}/_{16}$ I.D. x 2.881 O.D. x ½ width, intermediate axle differential housing	2	
	G136-0384657		C118120-D	C118120	SHAFT, left, drive, intermediate axle (33$^{13}/_{16}$ long)	1	
	G136-5283152	13-2	A283152-A (FM-BB-1142-A1)	A283152	ADAPTER, intermediate axle drive flange to hub stud (optional with A283152-B)	8	
H-1	H001-0719004	13-2	218582		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	8	
	G136-0392331	13-2	A283745	A283745	STUD, intermediate axle drive flange to hub (S., 7/16-20NF-2 (9/16) x 2 1/64 x 7/16-14 USS (⅝))	16	
H-1	H001-1516010	13-2	103328		WASHER, lock, hv., S., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.)	8	
	G136-0384656		C118120-C	C118120	SHAFT, right, drive, intermediate axle (53$^{11}/_{16}$ long)	1	
	G136-5283152	13-2	A283152-A (FM-BB-1142-A1)	A283152	ADAPTER, intermediate axle drive flange to hub stud (optional with A283152-B)	8	
H-1	H001-0719004	13-2	218582		NUT, reg., hex., s-fin., alloy-S., 7/16-20NF-2	8	
	G136-0392331	13-2	A283745	A283745	STUD, intermediate axle drive flange to hub (S., 7/16-20NF-2 (9/16) x 2 1/64 x 7/16-14 USS (⅝))	8	
H-1	H001-1516010	13-2	103328		WASHER, lock, hv., S., 7/16 in. (.453 I.D. x .767 O.D. x 5/32 thk.)	8	
	G136-0385012	11-2	B248852	B248852	SHIM, adjusting, intermediate axle differential drive pinion	A.R.	
	G136-0387116	11-2	C118191	C118191	SLEEVE, pinion, driving, assembly	1	
					(Consists of:		
H-12	H012-6231530		B248713-B	B248713	2–CUPS		
	G134-0338442		A283354	A283354	1–PIN		
			C118191-A	C118191	1–SLEEVE)		
	G134-0389541	11-3	C117239	C117239	SPIDER, intermediate axle differential, assembly	1	
	G136-0443080	11-3	A283789	A283789	WASHER, lock, intermediate axle differential drive pinion bearing nut (optional with A283790)	1	
	G136-0443081	11-3	A283792	A283792	WASHER, thrust, intermediate axle differential drive (S., 1$^{19}/_{32}$ I.D. x 2$^{3}/_{16}$ O.D.)	1	
	G136-0443083	11-3	A283923	A283923	WASHER, thrust, intermediate axle differential side gear (S., 2.317 I.D. x 4 O.D. x 1/16 thk.)	2	
	G134-0442629	11-3	A283034	A283034	WASHER, thrust, intermediate axle differential spider pinion	4	
H-9	H009-0101721		(AMCX1)		WIRE, lock, differential case bolt (in one-pound rolls)	A.R.	



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FIGURE 12-1—HAND BRAKE ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	NUT	A283271	1201
B	WASHER	A283188	1201
C	NUT	218570	1201
D	WASHER	103322	1201
E	BOLT	A284016	1201
F	DRUM (Part of C118146)	C118147	1201
G	RIVET	BMGX1	1201
H	BAND, w/LINING	B248820	1201
J	LINING	B248826	1201
K	SEAL, oil	A283039	0801
L	LEVER	B248822	1201
M	PIN	A284014	1201
N	GASKET	A284050	1201
P	LINK	A284010	1201
Q	SPACER	A284012	1201
R	BOLT	B248825	1201
S	WASHER	103319	1201
T	NUT	220064	1201
U	SCREW	A283798	1201
V	SPRING	A284008	1201
W	NUT	220067	1201
X	SPACER	A284011	1201
Y	WASHER	103321	1201
Z	BOLT	A284218	1201
AA	BRACKET	D67396	1201
AB	FLANGE (Part of C118146)	B248827	1201

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 12—BRAKES		
					1201—HAND BRAKE SYSTEM		
	G136-0115915	12-1	B248820 (WG-1AA28-12)	B248820	BAND, hand brake, w/LINING, assembly	1	
	G136-0141400		B248781	B248781	BELLCRANK, hand brake	1	
			A284359 (FM-74002-S)	A284359	PIN, hand brake bellcrank to bracket (½ x 1 x 13/16)	1	
H-1	H001-0811051		108630		PIN, cotter, split, S., ⅛ x ⅞	1	
	G136-0124266	12-1	B248825	B248825	BOLT, adjusting, hand brake	1	
	G136-0125801		B248729	B248729	BRACE, emergency brake anchor, assembly	1	
					(Consists of:		
	G136-7006751		B248729-B	B248729	1–CLEVIS		
H-1	H001-0716025		219705		1–NUT		
			B248729-A	B248729	1–ROD)		
	G136-0725907	12-1	D67396 (WG-J5-7)	D67396	BRACKET, hand brake anchor	1	
H-1	H001-0116028	12-1	A284218 (WG-X-745)	A284218	BOLT, hex-hd., S., ⅜-16NC-2 x 1⅛	4	
			A283180 (WG-X-2262)	A283180	PIN, No. 7, std., taper, hand brake anchor bracket to transfer case	2	
H-1	H001-1518009	12-1	103321		WASHER, lock, reg., S., ⅜ in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4	
	G136-0125909		B248714	B248714	BRACKET, hand brake bellcrank	1	
	G136-0125908		B248712	B248712	BRACKET, mounting, hand brake lever	1	
	G136-0131228		B248746	B248746	CABLE, control, hand brake (S., ⅜ x 71½)	1	
H-1	H001-1013019		216922		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 1	2	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. .578 O.D. x 1/16 thk.)	2	
	G136-0137815		A284184	A284184	CLAMP, primer line hand brake cable and speedometer cable to hull side plate	1	
	G136-0137915		A283986	A283986	CLEVIS, hand brake control cable to lever and rod	2	
H-1	H001-0716023		219703		NUT, jam, s-fin., S., ⅜-24NF-2	2	
	G136-0137999		A284201	A284201	CLIP, emergency brake cable	2	
	G136-0137998		A284200	A284200	CLIP, emergency brake and speedometer cable	5	
	G136-0157470	12-1	C118146 (WG-A-4547-UU)	C118146	DRUM, hand brake, w/FLANGE, assembly	1	
					(Consists of:		
	G136-0124265		A284016	A284016	4–BOLT		
			C118147	C118147	1–DRUM		
			B248827	B248827	1–FLANGE		
H-1	H001-0718024		218570		4–NUT		
H-1	H001-1518010		103322		4–WASHER)		

GROUP 12—BRAKES

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1201—HAND BRAKE SYSTEM (Cont'd)		
	G136-0124265	12-1	A284016 (WG-4620-Y)	A284016	BOLT, hand brake drum to flange ($\frac{7}{16}$-20NF-2 x 1$\frac{1}{4}$)	4	
H-1	H001-0718024	12-1	218570		NUT, reg., hex., s-fin., S., $\frac{7}{16}$-20NF-2	4	
	G136-0314881	12-1	A283271 (WG-J1-50)	A283271	NUT, castle, hand brake drum flange to shaft (1-20NF-2)	1	
H-1	H001-0811055		103388 (WG-X-2020)		PIN, cotter, split, S. (type B), ($\frac{1}{8}$ x 1$\frac{3}{4}$)	1	
	G134-0442633	12-1	A283188 (WG-J4-50-$\frac{1}{2}$)	A283188	WASHER, plain, hand brake drum flange to shaft (S., 1$\frac{1}{16}$ I.D. x 1$\frac{13}{16}$ O.D. x $\frac{3}{16}$ thk.)	1	
	G136-0194066	12-1	A284050 (WG-J1-58)	A284050	GASKET, mounting, hand brake bracket to transmission transfer unit	1	
	G136-0274282	12-1	B248822 (WG-A28-2-A)	B248822	LEVER, brake cam (on transfer case)	2	
	G136-0336155	12-1	A284014 (WG-1277)	A284014	PIN, clevis, hand brake rod and anchor to transfer case (S., $\frac{1}{2}$ x 1$\frac{3}{8}$)	3	
H-1	H001-0811051		108630		PIN, cotter, split, S., $\frac{1}{8}$ x $\frac{7}{8}$	1	
	G136-0274343		D67374	D67374	LEVER, operating, hand brake, assembly (Includes:	1	
			D67374-A	D67374	1–LEVER		
	G136-0334061		A283903	A283903	1–PAWL		
			B247843	B247843	1–SECTOR)		
	G136-0276499	12-1	B248826 (WG-A28-10)	B248826	LINING, hand brake	1	
	G136-0370083	12-1	(BMGX1) (FM-64148-S)		RIVET, tubular, hand brake lining to brake hand ($\frac{5}{32}$ x $\frac{5}{16}$)	25	
	G136-0276554	12-1	A284010 (WG-A28-20-A)	A284010	LINK, hand brake spacer	2	
H-1	H001-0716025		219705		NUT, jam, hex., s-fin., S., $\frac{1}{2}$-20NF-2 (hand brake anchor)	1	
H-1	H001-0716023		219703		NUT, jam, hex., s-fin., S., $\frac{3}{8}$-24NF-2 (rear, hand brake cable)	1	
H-1	H001-0718001	12-1	220064		NUT, reg., hex., s-fin., $\frac{1}{4}$-20NC-2 (hand brake adjusting screw)	2	
H-1	H001-0718004	12-1	220067		NUT, reg., hex., s-fin., S., $\frac{7}{16}$-14NC-2 (hand brake adjusting screw)	2	
	G136-0334061		A283903	A283903	PAWL, hand brake lever	1	
	G136-0336155	12-1	A284014	A284014	PIN, clevis, hand brake rod and anchor clevis (S., $\frac{1}{2}$ x 1$\frac{3}{8}$)	3	
H-1	H001-0811038		107762		PIN, cotter, split, S. (type B), $\frac{3}{32}$ x $\frac{5}{8}$ (control cable to rod clevis pin)	4	
H-1	H001-0811051		108630		PIN, cotter, split, S. (type B), $\frac{1}{8}$ x $\frac{7}{8}$ (hand brake linkage pins)	4	
H-1	H001-0823004		114785		PIN, headless, S., $\frac{3}{8}$ diam. (hand brake control cable and rod clevis)	4	
	G136-0373275		A283874	A283874	ROD, hand brake bellcrank to transfer case	1	

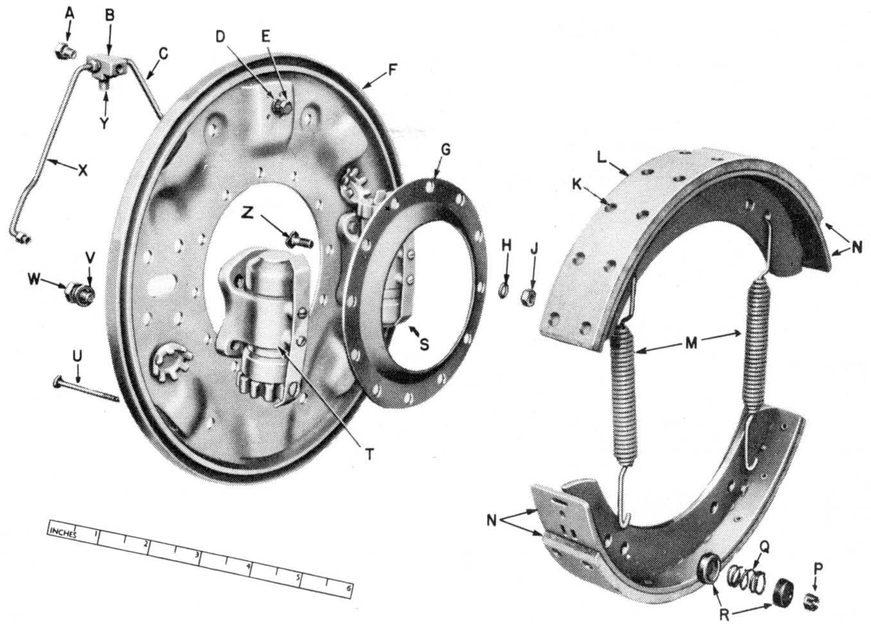
	G136-0382080	12-1	A283798 (WG-X-2429-A)	A283798	SCREW, cap, adjusting, hand brake (fil-hd., 1/4-NC-2 x 3 1/4)	1
H-1	H001-1013033		213733		SCREW, cap, hex-hd., S., 3/8 x 16NC-2 x 1 1/4 (hand brake quadrant to mounting bracket)	3
	G136-0382081		A284013 (WG-4584-E)	A284013	SCREW, hand brake anchor clip	1
	G136-0383010		B248843	B248843	SECTOR, hand brake lever	1
H-1	H001-1013033		213733		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 1 1/4	3
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 x 3/32	4
	G136-0389421	12-1	A284011 (WG-A28-22-A)	A284011	SPACER, lower, hand brake adjusting screw	1
	G136-0389422	12-1	A284012 (WG-A29-22)	A284012	SPACER, upper, hand brake adjusting screw	1
	G136-0389835		A284009 (WG-A-28-11)	A284009	SPRING, hand brake anchor clip	1
	G136-0389834	12-1	A284008 (WG-A-26-9)	A284008	SPRING, retracting, hand brake	2
H-1	H001-1518007		103319 (WG-X-2976)		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thk.) (hand brake adjustment)	1
H-1	H001-1518009		103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.) (hand brake quadrant to mounting bracket screw)	3
H-1	H001-1518010	12-1	103322		WASHER, lock, reg., S., 7/16 in. (.453 I.D. x .767 O.D. x 1/8 thk.) (hand brake drum to flange)	4
H-1	H001-1810040		104038		YOKE, rod end, adjustable, 3/8, rear, hand brake cable	1

1202—SERVICE BRAKE, SHOES AND LININGS

	G136-0125981		D72370-B (BX-46618)	D72370	BRAKE, service, left, assembly	3
	G136-0124267	12-2	A283785	A283785	BOLT, brake plate to axle housing (S., 3/8-24NF-2 x 1 3/16)	24
H-1	H001-0718023	12-2	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	36
	G136-0392330		A283744	A283744	STUD, brake plate to axle housing (S., 3/8-17USS (7/16) x 1 5/8 x 3/8-24NF-2 (3/4))	12
H-1	H001-1518009	12-2	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	36
	G136-0125980		D72370-A (BX-46619)	D72370	BRAKE, service, right, assembly	3
	G136-0124267	12-2	A283785	A283785	BOLT, brake plate to axle housing (S., 3/8-24NF-2 x 1 3/16)	24
H-1	H001-0718023	12-2	218565		NUT, reg., hex., s-fin., S., 3/8-24NF-2	36
	G136-0392330		A283744	A283744	STUD, brake plate to front spindle (S., 3/8-16USS (7/16) x 1 5/8 x 3/8-24NF-2 (3/4))	12
H-1	H001-1518009	12-2	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	36

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1202—SERVICE BRAKE, SHOES AND LININGS (Cont'd)		
	G134-0143246	12-2	A282869 (BX-43213)	A282869	CUP, hold-down, spring brake shoe	48	
H-2	H002-0504208	12-3	504208 (AD-1980)		FITTING, ⅛-17 x ¾ (lubricating service brake pedal)	2	
	G136-5284645	12-2	A284645	A284645	KIT, repair, service brake shoe (Consists of:	1	
			A282869	A282869	48–CUP		
	G134-0314731		A282868	A282868	24–NUT		
	G134-0338458		A282883	A282883	24–PIN		
	G134-0389694		A282884	A282884	24–SPRING)		
	G136-0383102	12-2	A284127	A284127	LINING SET, service brake shoe (Consists of:	3	
			C127115	C127115	4–LINING		
	G134-0369840		A282870	A282870	72–RIVETS)		
	G136-0276550		A330130 (LO-FC-4627)	A330130	LINK, hydraulic brake master cylinder to brake pedal	1	
	G134-0314731	12-2	A282868	A282868	NUT, castle, brake shoe hold-down (hex., S., ¼-28NF-2)	24	
		12-3	C118051	C118051	PEDAL, operating, service brake	1	
	G134-0338458	12-2	A282883 (BX-46514)	A282883	PIN, hold-down, brake shoe (¼-28NF-2 x 3.25)	24	
		12-2	D72375-B	D72375	PLATE, backing, service brake, L.H., assembly	3	
		12-2	D72375-A	D72375	PLATE, backing, service brake, R.H., assembly	3	
	G136-0385090	12-2	C127172 (BX-46908)	C127172	SHOE, service brake, w/LINING, assembly (Consists of:	12	
			C127115	C127115	1–LINING		
	G134-0369840		A282870	A282870	16–RIVET		
	G136-0125970		C127113	C127113	1–SHOE)		
	G136-0387200	12-2	C118068	C118068	SLINGER, oil, wheel (on brake plate)	6	
	G134-0389694	12-2	A282884 (BX-23960)	A282884	SPRING, hold-down, brake shoe	24	
	G136-0389805	12-2	B246822 (BX-46467)	B246822	SPRING, retracting, service brake shoe	12	
					1204.1—HYDRAULIC BRAKE MASTER CYLINDER		
	G136-0124260	12-3,8	A283984	A283984	BOLT, hydraulic brake master cylinder outlet fitting	1	
	G067-0600130	12-4	A167879 (LO-FC-1331)	A167879	BOOT, brake master cylinder	1	
	G136-0125911	12-3	D67362	D67362	BRACKET, clutch and brake pedal (also in group 0202)	1	
H-1	H001-0116249	12-3	223610		BOLT, hex-hd., s-fin., alloy-S., $\frac{7}{16}$-20NF-2 x 1¼ (also in group 0204)	6	

H-1	H001-1518010	12-3	103322		WASHER, lock, reg., S., 7/16 in. (.453 I.D. x .767 x 1/8 thk.) (also in group 0204)	6
	G136-0128015		A283816	A283816	BUSHING, clutch and brake pedal (burnish to .876 ± .0015 bore) (also in group 0202)	4
	G067-0601480	12-4	A167888 (LO-FC-4073)	A167888	CAP, filler, hydraulic brake master cylinder	1
	G136-0140062	12-7	A284085 (WD-200-X-4)	A284085	CONNECTOR, hydraulic brake master cylinder to front brake pressure line	1
	G136-0143551	12-4	B248993 (LO-FD-951)	B248003	CUP, piston, primary, brake master cylinder	1
	G134-0145645	03-12,13 12-3	C117670 (LO-FE-2120)	C117670	CYLINDER, master hydraulic brake, assembly	1
H-1	H001-0116026	12-3	227510		BOLT, hex-hd., s-fin., alloy-S., 3/8-16NC-2 x 1	4
H-1	H001-1518009	12-3	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thk.)	4
	G136-0183245	12-3,8	A283991	A283991	FITTING, hydraulic brake master cylinder outlet	1
	G067-0600790	12-4	A167884 (LO-FC-2037)	A167884	GASKET, hydraulic brake master cylinder filler cap	1
	G134-0193850	12-3,8	A282898	A282898	GASKET, inner, hydraulic brake master cylinder outlet fitting	1
	G134-0193849	12-3,8	A282897	A282897	GASKET, outer, hydraulic brake master cylinder outlet fitting	1
	G136-0367546	12-4	(LO-FC-5350)		KIT, repair, hydraulic, brake master cylinder (Consists of:	1
	G067-0600130		A167879	A167879	1–BOOT	
	G136-0143551		B248003	B248003	1–CUP	
	G136-0338839		A276977	A276977	1–PISTON	
	G067-0602190		A156656	A156656	1–VALVE	
	G067-0602330		A167878	A167878	1–WIRE, stop)	
	G136-0276550	12-4	A330130 (LO-FC-4627)	A330130	LINK, brake master cylinder, connecting	1
H-1	H001-0823005	12-3	114786 (FM-73912-S)		PIN, headless, S., 7/16 diam. (hydraulic brake master cylinder rod clevis)	1
H-1	H001-0830093	12-3	505528		PIN, straight, drill rod, .250 x 1 5/8 (retaining brake pedal shaft)	1
	G136-0338839	12-4	A276977 (LO-FC-4633)	A276977	PISTON, brake master cylinder, assembly	1
H-6	H006-0283800	12-4	219187		PLUG, pipe, sq-hd., black, 1/8 in. (brake, hydraulic master cylinder bleeder)	1
H-6	H006-0283800	12-4	A165563 (LO-FC-2932)	A165563	PLUG, welch, brake master cylinder	1
	G136-0369926		A276980 (LO-FC-4632)	A276980	RING, hydraulic brake master cylinder piston secondary cup	1
	G136-0373273		A283818	A283818	ROD, brake master cylinder	1
	G136-0384666	12-3	A283815	A283815	SHAFT, brake bedal (also in group 0202)	1
	G136-0389827	12-3	A283817	A283817	SPRING, retracting, brake pedal	1
	G136-0389821	12-4	A276981 (LO-FC-4630)	A276981	SPRING, return, hydraulic brake master cylinder piston	1
	G067-0602090	12-4	A214542 (LO-FC-1333)	A214542	STRAP, retainer, hydraulic brake master cylinder boot (large)	1

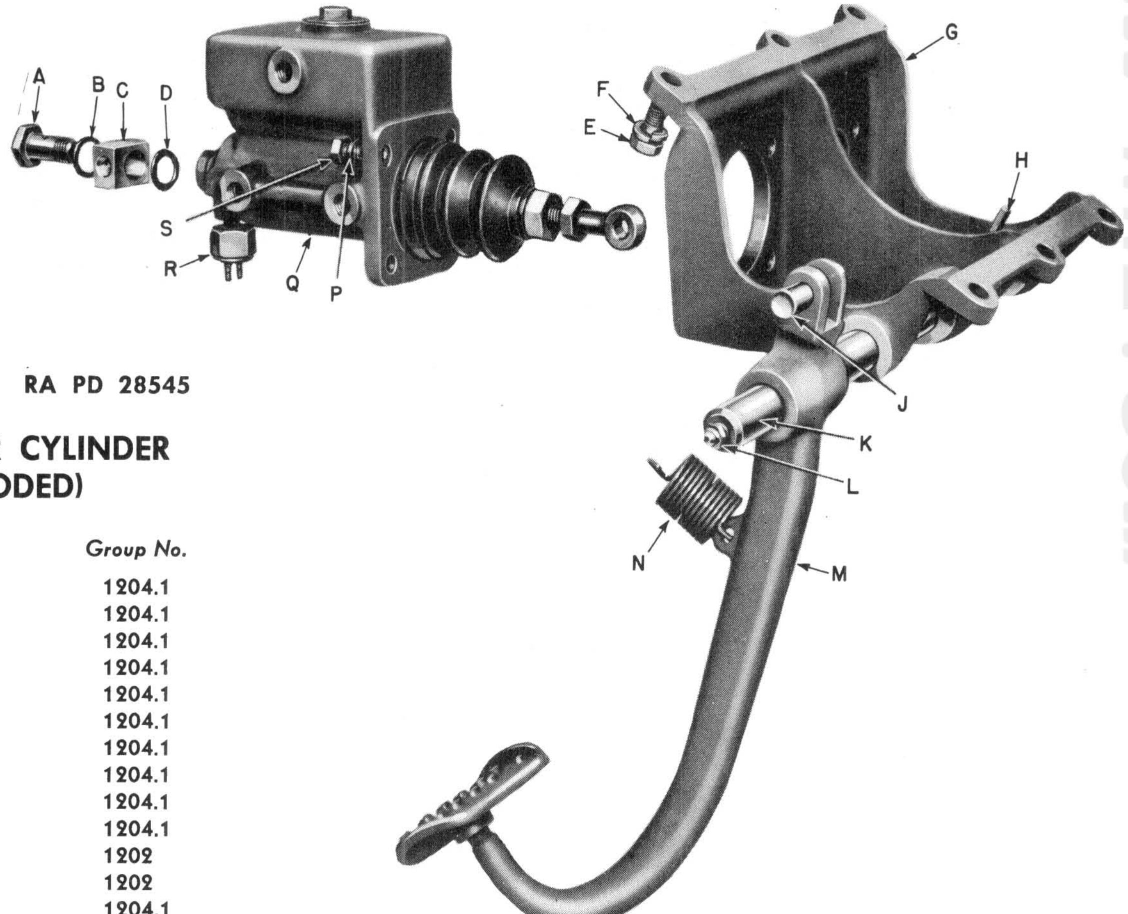


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FIGURE 12-2—BRAKE ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	PLUG	A303950	1204.3
B	TEE	B264193	1204.3
C	LINE, left	C127175-A	1204.3
	LINE, right	C127175-B	1204.3
D	WASHER	103320	1204.3
E	SCREW	900069	1204.3
F	PLATE, right (Part of D72370-A)	D72375-A	1202
	PLATE, left (Part of D72370-B)	D72375-B	1202
G	SLINGER	C118068	1202
H	WASHER	103321	1202
J	NUT	218565	1202
K	RIVET (Part of KIT A284127)	A282870	1202
L	LINING (Part of KIT A284127)	C127115	1202
M	SPRING	B246822	1202
N	SHOE, w/LINING	C127172	1202
P	NUT (Part of KIT A284645)	A282868	1202
Q	SPRING (Part of KIT A284645)	A282884	1202
R	CUP (Part of KIT A284645)	A282869	1202
S	CYLINDER, right	B246815-A	1204.2
T	CYLINDER, left	B246815-B	1204.2
U	PIN (Part of KIT A284645)	A282883	1202
V	WASHER	103323	1204.2
W	BOLT	A282886	1204.2
X	LINE, left	C127174-A	1204.3
	LINE, right	C127174-B	1204.3
Y	PLUG	A303949	1204.3
Z	BOLT	A283785	1202

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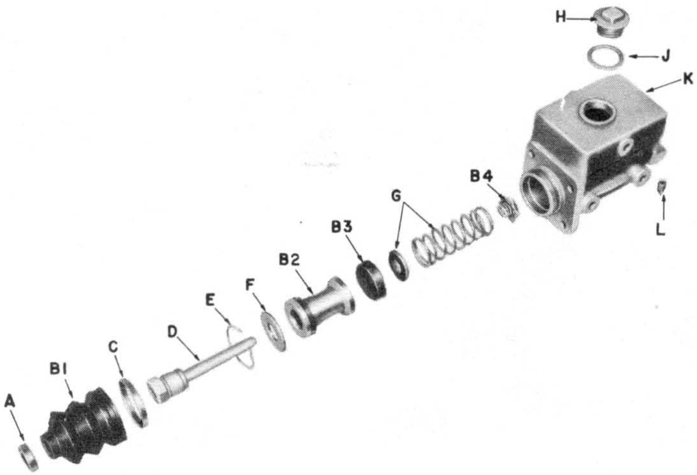


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FIGURE 12-3—BRAKE PEDAL, MASTER CYLINDER AND ATTACHING PARTS (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	BOLT	A283984	1204.1
B	GASKET	A282897	1204.1
C	FITTING	A283991	1204.1
D	GASKET	A282898	1204.1
E	BOLT	223610	1204.1
F	WASHER	103322	1204.1
G	BRACKET	D67362	1204.1
H	PIN	505528	1204.1
J	PIN	114786	1204.1
K	SHAFT	A283815	1204.1
L	FITTING	504208	1202
M	PEDAL	C118051	1202
N	SPRING	A283817	1204.1
P	WASHER	103321	1204.1
Q	CYLINDER	C117670	1204.1
R	SWITCH	A283457	0608
S	BOLT	227510	1204.1

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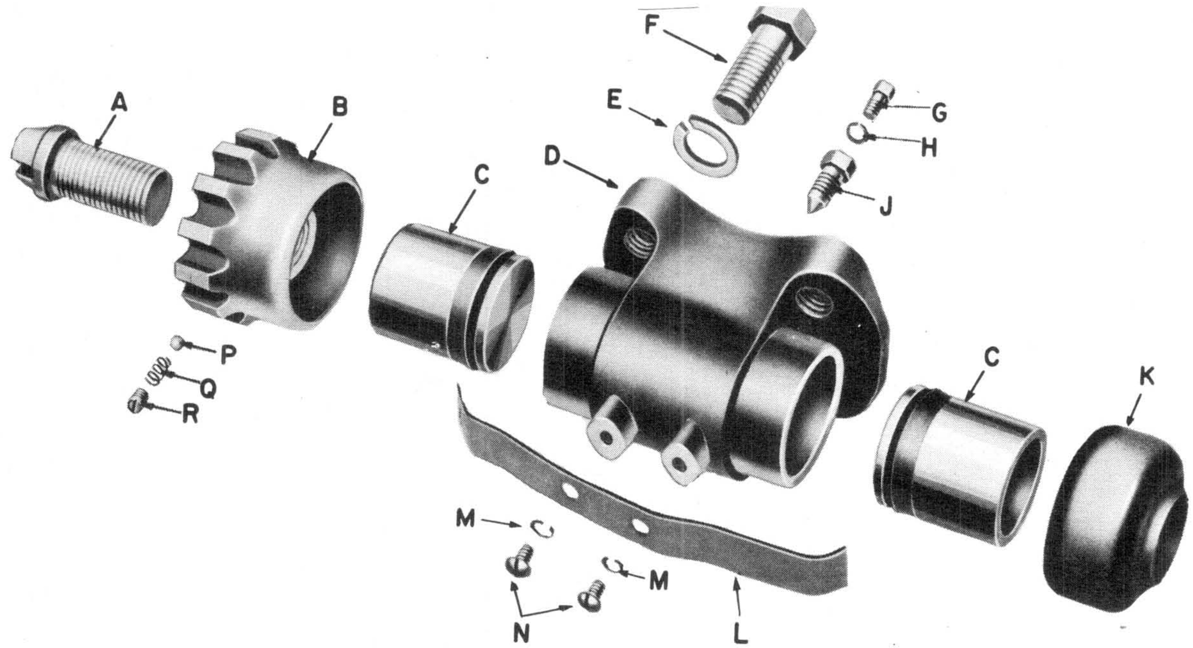


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FIGURE 12-4—HYDRAULIC BRAKE MASTER CYLINDER (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	STRAP	A167880	1204.1
B-1	BOOT (Part of KIT LO-FC-5350)	A167879	1204.1
B-2	PISTON (Part of KIT LO-FC-5350)	A276977	1204.1
B-3	CUP (Part of KIT LO-FC-5350)	B248003	1204.1
B-4	VALVE, assembly (Part of KIT LO-FC-5350)	A156645	1204.1
C	STRAP	A214542	1204.1
D	LINK	A330130	1204.1
E	WIRE (Part of KIT LO-FC-5350)	A167878	1204.1
F	WASHER	A167887	1204.1
G	SPRING, assembly	A276981	1204.1
H	CAP	A167888	1204.1
J	GASKET	A167884	1204.1
K	TANK	C117488	1204.1
L	PLUG	219187	1204.1

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FIGURE 12-5—HYDRAULIC-BRAKE WHEEL CYLINDER (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	SCREW	B246819	1204.2
B	CAP	B246817	1204.2
C	PISTON	A282876	1204.2
D	CYLINDER	C117250	1204.2
E	WASHER	103323	1204.2
F	BOLT	A282886	1204.2
G	SCREW	A282874	1204.2
H	WASHER	106497	1204.2
J	SCREW	A282878	1204.2
K	CAP	A282872	1204.2
L	SPRING	B246818	1204.2
M	WASHER	106497	1204.2
N	SCREW	110498	1204.2
P	BALL	A282881	1204.2
Q	SPRING	A282880	1204.2
R	SCREW	A282867	1204.2

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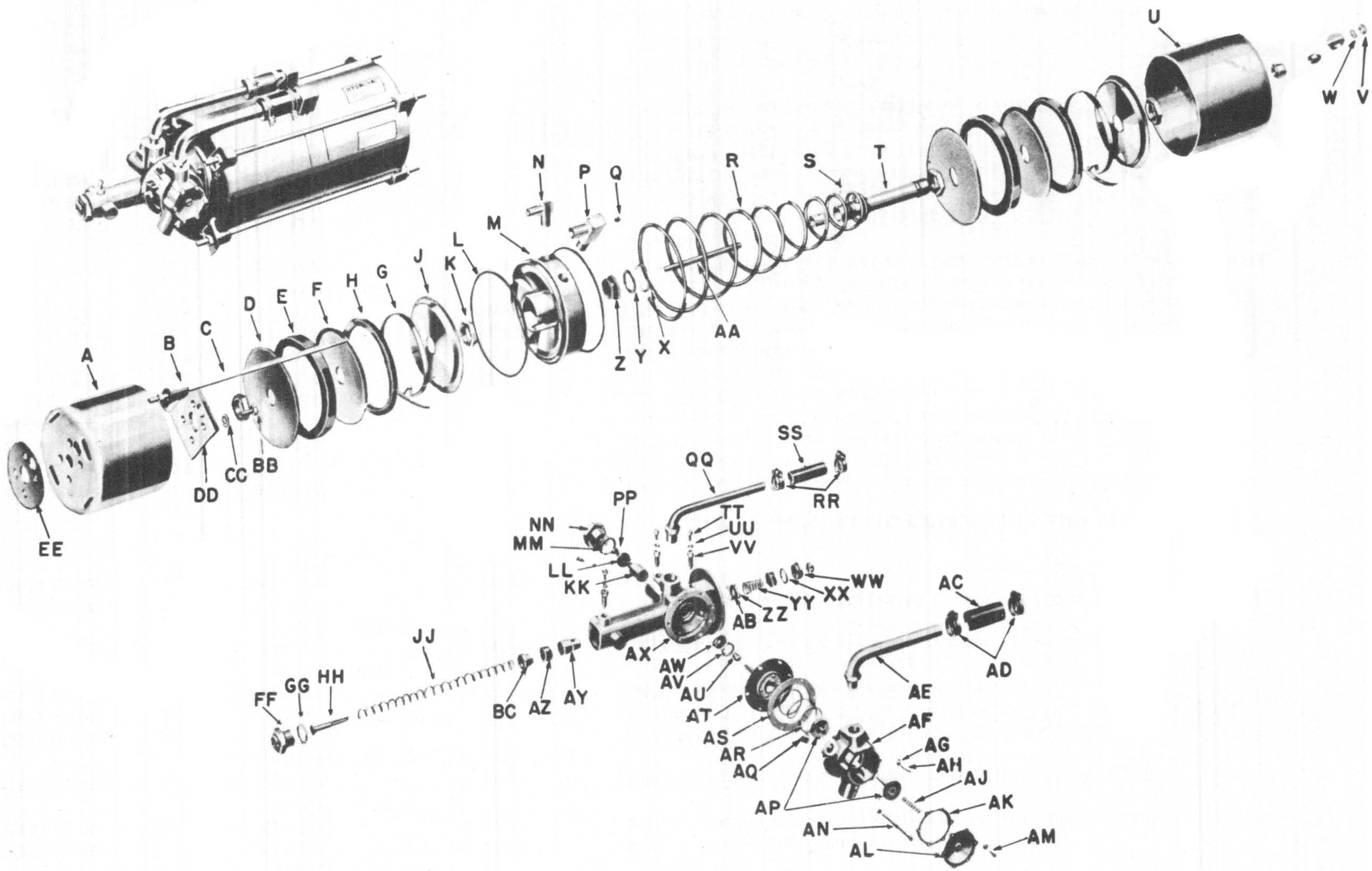
GROUP 12—BRAKES

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1204.1—HYDRAULIC BRAKE MASTER CYLINDER (Cont'd)		
	G067-0602091	12-4	A167880 (LO-FC-1332)	A167880	STRAP, retainer, hydraulic brake master cylinder boot (small)	1	
	G136-0396320	12-4	C117488 (LO-FD-7673)	C117488	TANK, supply, brake master cylinder	1	
	G067-0602190	12-4	A156645 (LO-FC-1266)	A156645	VALVE, brake master cylinder, assembly	1	
	G067-0602130	12-4	A167887 (LO-FC-1321)	A167887	WASHER, piston stop	1	
					1204.2—HYDRAULIC BRAKE WHEEL CYLINDER		
	G134-0338457	12-5	A282881 (LO-FC-9011)	A282881	BALL, hydraulic brake wheel cylinder adjusting pinion, detent	12	
	G134-0131247	12-5	B246817 (LO-FC-9639-B)	B246817	CAP, adjusting, wheel cylinder, assembly	12	
	G136-0131570		A330148 (LO-FC-9013)	A330148	CAP, adjusting, wheel cylinder, w/SCREW, assembly	12	
	G134-0143270	12-5	A282872 (LO-FC-9005)	A282872	CAP, hydraulic brake wheel cylinder, w/INSERT, assembly	12	
					(Consists of:		
			A282877	A282877	1–CAP		
			A282873	A282873	1–INSERT)		
	G134-0143244		B246825 (LO-FC-8807-A)	B246825	CUP, hydraulic brake wheel cylinder piston	24	
	G136-0382895	12-5	C117250	C117250	CYLINDER, hydraulic brake wheel cylinder	12	
	G134-0145644	12-2	B246815-B (LO-FD-7643)	B246815	CYLINDER, wheel hydraulic brake, left, assembly	6	
	G134-0381938	12-2,5	A282886	A282886	BOLT, hydraulic brake wheel cylinder to backing plate (hex-hd., ½ x 13NC-2 x 29/32)	24	
H-1	H001-1518011	12-2,5	103323		WASHER, lock, reg., S., ½ in. (.515 I.D. x .859 O.D. x ⅛ thk.)	24	
	G134-0145643	12-2	B246815-A (LO-FD-7642)	B246815	CYLINDER, wheel hydraulic brake, right, assembly	6	
	G134-0381938	12-2,5	A282886	A282886	BOLT, hydraulic brake wheel cylinder to backing plate (hex-hd., ½ x 13NC-2 x 29/32)	24	
H-1	H001-1518011	12-2	103323		WASHER, lock, reg., ½ in. (.515 I.D. x .859 O.D. x ⅛ thk.)	24	
	G134-0338820	12-5	A282876 (LO-FC-9010)	A282876	PISTON, hydraulic brake wheel cylinder (1½ diam.)	24	
	G134-0381919	12-5	B246819 (LO-FD-7640-C)	B246819	SCREW, adjusting, hydraulic brake wheel cylinder	12	

H-1	H001-1026532		225490		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 7/16 (hydraulic brake line hold down clip)	4
	G134-0381935	12-5	A282867 (LO-FC-9028)	A282867	SCREW, retainer, hydraulic brake wheel cylinder adjusting cap detent spring (slotted, 1/4-20 x 1/8)	12
	G136-0382895		A282871	A282871	SEAT, hydraulic wheel cylinder tube	12
	G134-0389693	12-5	A282880 (LO-FC-9012)	A282880	SPRING, hydraulic brake wheel cylinder adjusting pinion detent	12
	G134-0389670	12-5	B246818 (LO-FD-7641)	B246818	SPRING, retainer, hydraulic brake wheel cylinder adjusting pinion	12
H-1	H001-1030096	12-5	110498		SCREW, mach., rd-hd., S., No. 10 (.190)-24NC-2 x 1/4	24
H-1	H001-1518005	12-5	106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	24
	G134-0381937	12-5	A282878 (LO-FC-2933)	A282878	VALVE, bleeder, hydraulic brake wheel cylinder	12
H-1	H001-1013249	12-5	A282874 (LO-FC-9008-A)	A282874	SCREW, hydraulic brake wheel cylinder bleeder valve	12
H-1	H001-1518005	12-5	106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thk.)	12
	G067-0602330	12-4	A167878 (LO-FC-1330)	A167878	WIRE, piston stop	1

1204.3—HYDRAULIC BRAKE LINE AND FITTINGS

	G136-5284166	12-7	A284166	A284166	CLAMP, brake lines to crossmember (5/16 x 1/4 tube)	2
		12-7	A284242	A284242	CLAMP, brake tubes and throttle lines	1
	G136-0137808		B248715	B248715	CLAMP, hydraulic brake tube and wiring to hull	4
	~~G136-0137988~~	12-7	A284274	A284274	CLIP, attaching, brake line to front and rear axle G.163.03.92.274	2
	G136-0137988	03-15	A284170	A284170	CLIP, front brake center line to hull	1
	G136-0137988	12-8	A234170	A234170	CLIP, hydraulic brake line, front	1
		12-8	A284116	A284116	CLIP, hydraulic brake line, rear	2
	G134-0137880	12-8	A283138	A283138	CLIP, rear brake pressure line to left hull side	1
	G136-0137989	12-8	A284171 (FM-01A-2244)	A284171	CLIP, 1/4 (3 used on brake line hydrovac to front axle; 1 used on rear brake valve line; 1 used on front axle brake line; 1 used on rear axle brake line)	7
	G136-0183243	10-1 12-7	B248893	B248893	CONNECTOR, front axle hydraulic brake line to hydrovac, w/BRACKET, assembly	1
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	1
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16	1
	G136-0183241	11-4	B248768	B248768	CONNECTOR, intermediate axle hydraulic brake line, w/BRACKET, assembly	1
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	1
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	1
	G136-0183242	11-1	B248805 (WH-272235)	B248805	CONNECTOR, rear hydraulic brake lines, w/BRACKET, assembly	1
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	1
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	1
	G136-0169028	12-8	A284141 (WH-500-X-5)	A284141	ELBOW, center to rear hydraulic brake pressure line (5/16 inverted)	1
	G136-0169029	12-8	B247446 (WH-500-X-4)	B247446	ELBOW, center to rear hydraulic valve line (1/4 inverted)	1



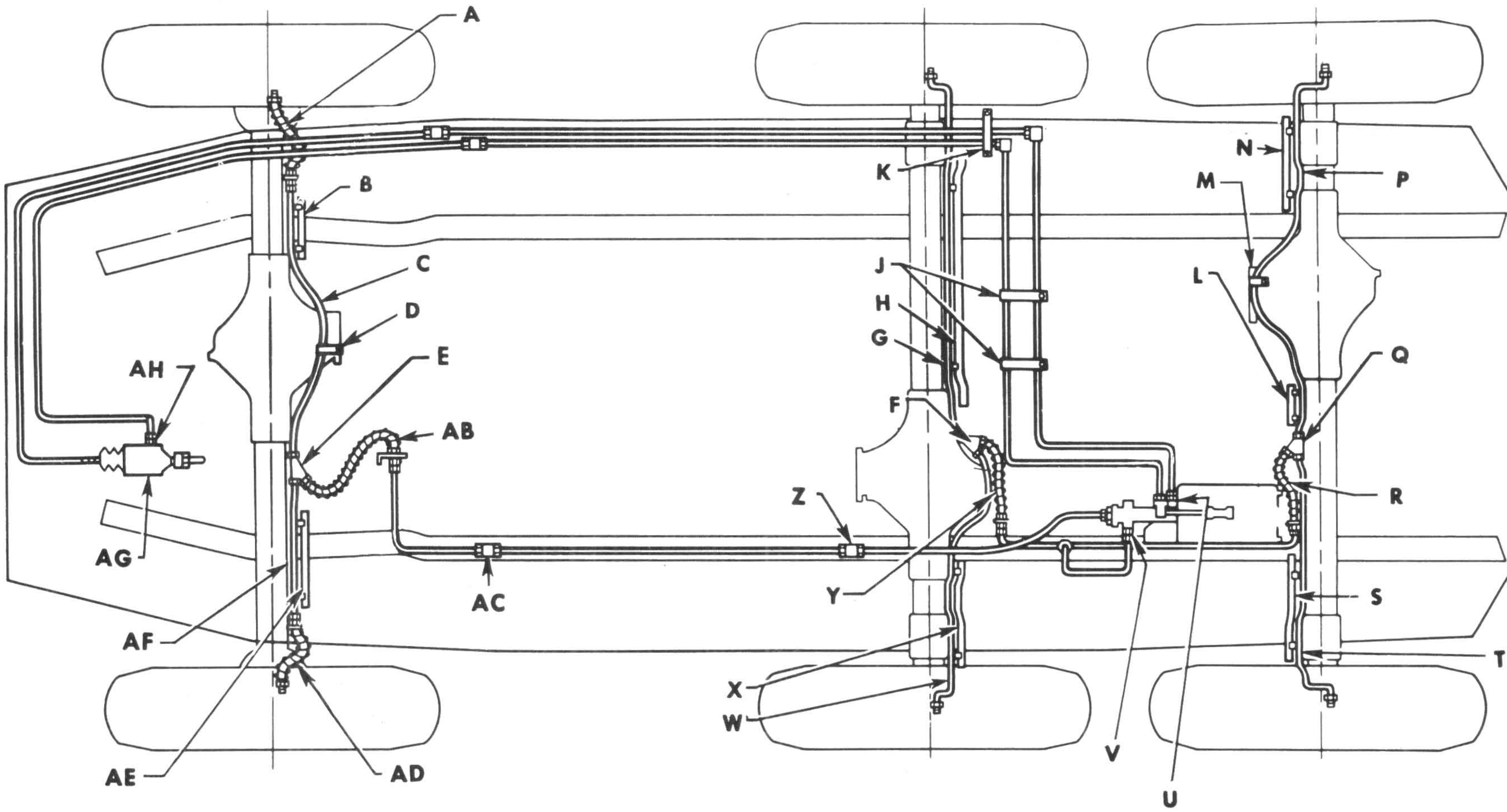
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FIGURE 12-6—BRAKE HYDROVAC (EXPLODED)

FIGURE 12-6—BRAKE HYDROVAC (EXPLODED)

Key	Item	Part No.	Group No.
A	CYLINDER	B264110	1205
B	CLAMP	A293953	1205
C	STUD	A293952	1205
D	PLATE	A167601	1205
E	PACKING	A167602	1205
F	PLATE	A167600	1205
G	RING	A167604	1205
H	FELT	A215878	1205
J	RETAINER	A167599	1205
K	NUT	A215881	1205
L	GASKET	A167598	1205
M	PLATE	A184585	1205
N	ELBOW	A293987	1205
P	ELBOW	A293985	1205
Q	PLUG	A215927	1205
R	SPRING	A215884	1205
S	PIN	A215882	1205
T	ROD, assembly	A215869	1205
U	CYLINDER	A184581	1205
V	NUT	218564	1205
W	WASHER	103320	1205
X	SPRING	A167893	1205
Y	WASHER	A167892	1205
Z	SEAL	A167894	1205
AA	ROD	A303506	1205
BB	SCREW	216971	1205
CC	WASHER	115549	1205
DD	PLATE	A293956	1205
EE	GASKET	A282610	1205
FF	PLUG	B264165	1205
GG	GASKET	A303551	1205
HH	ROD	A303553	1205
JJ	SPRING	A303534	1205
KK	PISTON	A303600	1205
LL	CUP	A303601	1205
MM	GASKET	A282620	1205
NN	FITTING	A282619	1205
PP	STOP	A282628	1205
QQ	TUBE, w/ELBOW	A303508	1205
RR	CLAMP	500676	1205
SS	HOSE	BX-99-S-314	1205
TT	SCREW	A282629	1205
UU	WASHER	106497	1205
VV	SCREW	A282779	1205
WW	GUIDE and SEAL	A303555	1205
XX	WASHER	A282611	1205
YY	SPRING	A282608	1205
ZZ	SNAP RING	A303533	1205
AB	WASHER	A303552	1205
AC	HOSE	BX-99-S-314	1205
AD	CLAMP	500676	1205
AE	TUBE, w/ELBOW	A293955	1205
AF	VALVE	A282631	1205
AG	WASHER	106496	1205
AH	SCREW	100712	1205
AJ	SPRING	A282634	1205
AK	GASKET	A282633	1205
AL	COVER	A282632	1205
AM	SCREW	100711	1205
AN	SCREW	117273	1205
AP	KIT	B264108	1205
AQ	PLUG	219191	1205
AR	SPRING	A282508	1205
AS	GASKET	A282509	1205
AT	DIAPHRAGM, assembly	A282593	1205
AU	STOP	A282510	1205
AV	RING	A282618	1205
AW	WASHER	A282617	1205
AX	CYLINDER	D72394	1205
AY	PISTON, w/VALVE	A303532	1205
AZ	SEAL	A303550	1205
BC	RETAINER	A303531	1205

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FIGURE 12-7—BRAKE LINE INSTALLATION (PLAN VIEW)

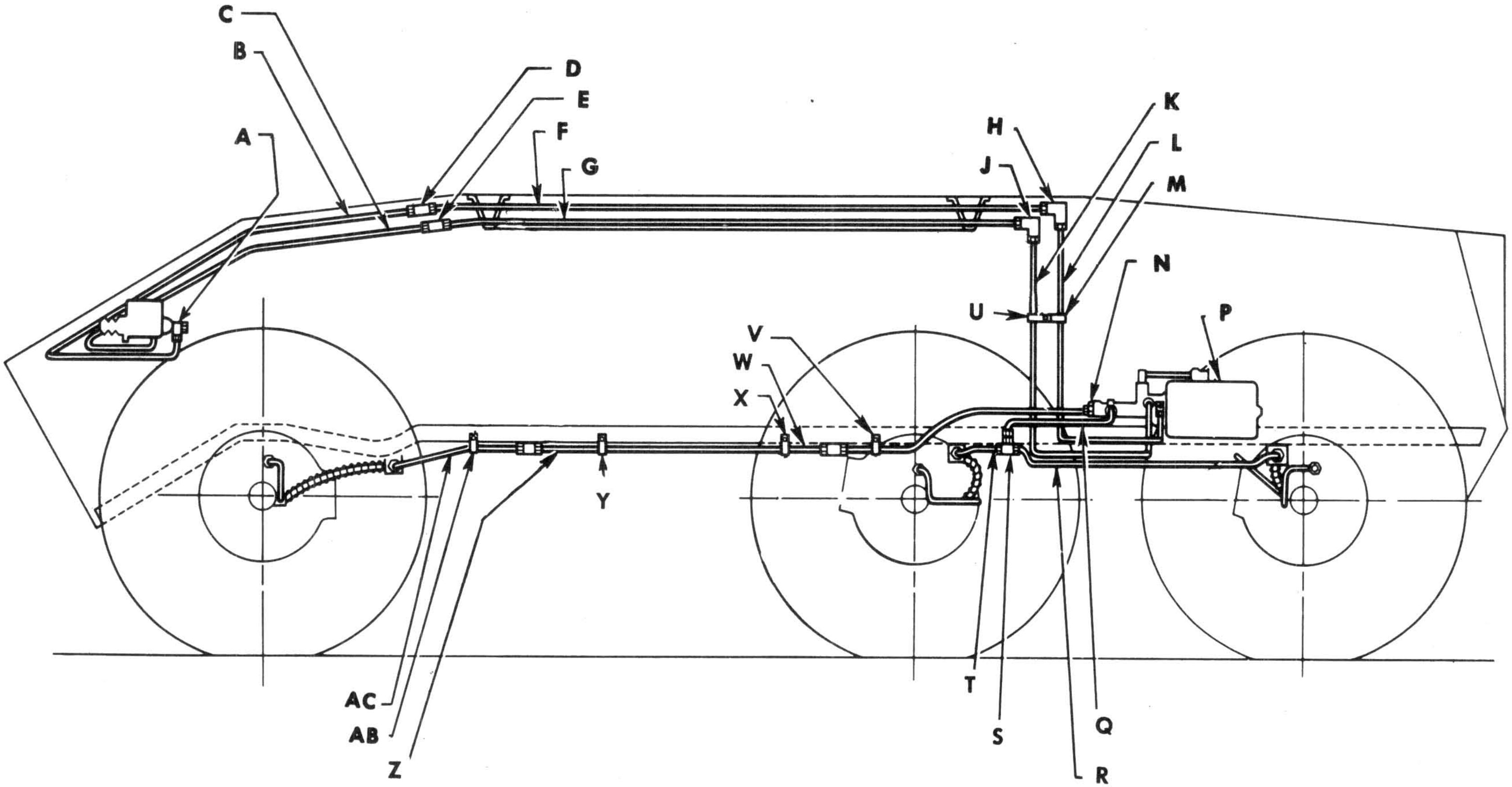
FIGURE 12-7—BRAKE LINE INSTALLATION (PLAN VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	LINE, flexible	A285128-A	1204.3
B	GUARD	C118158	1204.3
C	LINE	C118340	1204.3
D	CLIP	A284274	1204.3
E	CONNECTOR, w/BRACKET	B248893	1204.3
F	CONNECTOR	B248768	1204.3
G	LINE	C118337	1204.3
H	GUARD	C118156	1204.3
J	CLAMP	A284166	1204.3
K	CLAMP	A284242	1204.3
L	GUARD	C118131	1204.3
M	CLIP	A284274	1204.3
N	GUARD	C118157	1204.3
P	LINE	D67383	1204.3
Q	CONNECTOR, w/BRACKET	B248805	1204.3
R	LINE, flexible	A284017-A	1204.3
S	GUARD	C118126	1204.3
T	LINE	C118128	1204.3
U	CONNECTOR	A285023	1205
V	CONNECTOR	A284150	1205
W	LINE	C118336	1204.3
X	GUARD	C118152	1204.3
Y	LINE, flexible	A284017-A	1204.3
Z	UNION	A284995	1204.3
AB	LINE, flexible	A284017-B	1204.3
AC	UNION	A284995	1204.3
AD	LINE, flexible	A285128-A	1204.3
AE	GUARD	C118339	1204.3
AF	LINE	B248899	1204.3
AG	CYLINDER, master, brake, assembly	C117670	1204.1
AH	CONNECTOR	A284085	1204.1

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1204.3—HYDRAULIC BRAKE LINE AND FITTINGS (Cont'd)		
	G136-0183240	12-8	A284152	A284152	FITTING, rear hydraulic brake lines through hull connector	1	
	G136-0314866		A276855	A276855	NUT, hydraulic brake line through hull connector (jam, 3/4-16NF-2)	1	
H-1	H001-1519016		115554		WASHER, lock, internal teeth, reg., S., 3/4 in.	1	
	G134-0193877	~~12-8~~	A285030	A285030	GASKET, inner, hydrovac, connector to axle hydraulic brake pressure lines	4	
	G136-0205406	10-1	C118339	C118339	GUARD, front axle tubing, left, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	2	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	2	
	G136-0205405	10-1	C118158	C118158	GUARD, front axle, tubing right, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	1	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	1	
	G136-0205407	11-4 12-7	C118152	C118152	GUARD, intermediate axle brake line, left, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	4	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	4	
	G136-0205403	11-4 12-7	C118156	C118156	GUARD, intermediate axle brake tubing, right, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	6	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	6	
	G136-0205402	11-1 12-7	C118131	C118131	GUARD, rear axle tubing, center, assembly	1	
H-1	H001-103228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	3	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	3	
	G136-0205401	11-1 12-7	C118126	C118126	GUARD, rear axle tubing, left, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	3	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	3	
	G136-0205404	11-1 12-7	C118157	C118157	GUARD, rear axle brake tubing, right, assembly	1	
H-1	H001-1013228		216282		SCREW, cap, hex-hd., S., 5/16-24NF-2 x 1/2	3	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	3	
	G136-0408025	10-1 12-7	B248899	B248899	LINE, brake, front axle, left, assembly (S., 1/4 x 19)	1	
	G136-0408028	10-1 12-7	C118340	C118340	LINE, brake, front axle, right, assembly (S., 1/4 x 37)	1	
	G136-0407957	11-4 12-7	C118336	C118336	LINE, brake, intermediate axle, left (S., 1/4 x 40)	1	
	G136-0408027	11-4 12-7	C118337	C118337	LINE, brake, intermediate axle, right (S., 1/4 x 54)	1	

	G136-0408042	12-8	C118338	C118338	LINE, brake pressure from master cylinder, assembly (S., 5/16 x 95)	1
	G136-0408026	11-1 12-7	C118128	C118128	LINE, brake, rear axle, left, assembly (S., 1/4 x 30)	1
	G136-0407961	11-1 12-7	D67383	D67383	LINE, brake, rear axle, right, assembly (S., 1/4 x 63 5/8)	1
	G136-0408047	12-8	C118127	C118127	LINE, brake valve line to master cylinder, assembly (S., 1/4 x 106)	1
	G136-0408046	12-8	A283822	A283822	LINE, center brake pressure line, assembly (S., 5/16 x 86)	1
	G136-0408031	12-8	A283823	A283823	LINE, center brake valve line, assembly (S., 1/4 x 81 3/4)	1
	G134-0217485	10-1 12-7	A285128-A	A285128	LINE, flexible, front axle hydraulic brake lines to wheel cylinder (11 in. long)	2
	G136-0217819	12-7	A284017-B	A284017	LINE, flexible, hydrovac brake line to hull and front axle (22 in. long)	1
	G136-0217820	12-7	A284017-A	A284017	LINE, flexible, rear and intermediate axle hydraulic brake line (17 1/2 in. long)	2
	G136-0408045	12-8	A284122	A284122	LINE, hull to front axle brake line, assembly (S., 1/4 x 58 1/2)	1
	G136-0409032	12-8	A284118	A284118	LINE, hull to intermediate axle brake, assembly (S., 1/2 x 7 1/2)	1
	G136-0408033	12-8	A284120	A284120	LINE, hull to rear axle brake, assembly (S., 1/4 x 23)	1
		12-2	C127174-A	C127174	LINE, hydraulic brake wheel plate, left (long)	3
		12-2	C127175-A	C127175	LINE, hydraulic brake wheel plate, left (short)	3
		12-2	C127174-B	C127174	LINE, hydraulic brake wheel plate, right (long)	3
		12-2	C127175-B	C127175	LINE, hydraulic brake wheel plate, right (short)	3
	G136-0408044	12-8	D67413	D67413	LINE, rear brake valve line to hydrovac, assembly (S., 1/4 x 88 9/16)	1
	G136-0314853		A282885 (WH-105-X-4)	A282885	NUT, hydraulic brake lines (1/4 inverted 7/16-24NF-2)	52
	G136-0314840		A284911 (WH-105-X-5)	A284911	NUT, hydraulic brake line 5/16 inverted)	12
	G136-0314870		A283379 (WH-105-X-6-E)	A283379	NUT, hydraulic brake lines (3/8 inverted)	10
	G136-0314869		A283377 (WH-105-X-8)	A283377	NUT, hydraulic brake lines (1/2 inverted)	9
H-1	H001-0716027		219752		NUT, jam, hex., s-fin., S., 5/8-18NF-2 (front axle hydraulic brake lines to differential housing bracket)	5
H-1	H001-0716030		219755		NUT, jam, hex., s-fin., S., 1-14NF-2 (intermediate axle hydraulic brake flexible line to hydrovac line)	1
H-1	H001-0716030		219755		NUT, jam, hex., s-fin., S., 1-14NF-2 (rear axle hydraulic brake flexible line to hydrovac line)	1
H-1	H001-0718021		218563		NUT, reg., hex., s-fin., S., 1/4-28NF-2 (hydraulic brake line hold-down clip bolt)	2
	G136-0340660	12-2	A303949 (BX-46917)	A303949	PLUG, brake plate, (hydraulic brake line tee connector)	6
	G136-0340661	12-2	A303950 (BX-46915)	A303950	PLUG, brake plate, (hydraulic brake line tee connector)	6
H-1	H001-1026532		225490		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 7/16 (front axle hydraulic brake line hold-down clip to differential housing)	4
H-1	H001-1026535		173353		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 3/4 (hydraulic brake line hold-down clip to hull)	2



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FIGURE 12-8—BRAKE LINE INSTALLATION (SIDE VIEW)

FIGURE 12-8—BRAKE LINE INSTALLATION (SIDE VIEW)

Key	*Item*	*Part No.*	*Group No.*
A	FITTING	A283991	1204.1
B	LINE	C118338	1204.3
C	LINE	C118127	1204.3
D	UNION	B247442	1204.3
E	UNION	A284995	1204.3
F	LINE	A283822	1204.3
G	LINE	A283823	1204.3
H	ELBOW	A284141	1204.3
J	ELBOW	B247446	1204.3
K	LINE	D67413	1204.3
L	LINE	D67414	1205
M	CLIP	A283138	1204.3
N	CONNECTOR	A284149	1205
P	HYDROVAC	D72378	1205
Q	LINE	B248890	1205
R	LINE	A284120	1204.3
S	FITTING	A284152	1204.3
T	LINE	A284118	1204.3
U	CLIP	A284171	1204.3
V	CLIP	A284116	1204.3
W	LINE	A248895	1205
X	CLIP	A284171	1204.3
Y	CLIP	A234170	1204.3
Z	LINE	A284122	1204.3
AB	CLIP	A276931-A	0312
AC	LINE	B248900	1205

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GROUP 12—BRAKES

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1204.3—HYDRAULIC BRAKE LINE AND FITTINGS (Cont'd)		
H-1	H001-1026532		225490		SCREW, mach., oval-fil-hd., S., 1/4-28NF-2 x 7/16 (rear axle hydraulic brake line hold-down clip)	4	
	G136-0398492	12-2	B264193 (BX-46916)	B264193	TEE, hydraulic brake line to brake plate connector	6	
		12-2	900069		SCREW, attaching, tee	6	
H-1	H001-1518008	12-2	103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thk.)	6	
	G134-0419387		A284995 (WH-300-X-4)	A284995	UNION, connecting, center to rear hydraulic brake line (1/4 inverted, 7/16-24NF-2 x 5/8)	1	
H-6	H006-0391130	12-8	B247442 (WH-300-X-5)	B247442	UNION, connecting, hydraulic brake center and front pressure lines (5/16 inverted, 1/2-20NF-2 x 9/16)	1	
	G134-0419387	12-8	A284995 (WH-300-X-4)	A284995	UNION, connecting, hydraulic brake center and front line valve (1/4 inverted, 7/16-24NF-2 x 5/8)	1	
	G134-0419387	12-7	A284995 (WH-300-X-4)	A284995	UNION, connecting, hydraulic brake center line to front axle (1/4 inverted, 7/16-24NF-2 x 5/8)	1	
H-1	H001-1519015	12-7	115553		WASHER, lock, internal teeth, reg., S., 5/8 in. (front axle hydraulic brake flexible line to differential housing bracket)	5	
H-1	H001-1519009	12-8	115547		WASHER, lock, internal teeth, reg., S., 1/4 in. (hydraulic brake line hold-down clip bolt)	5	
					1205—HYDROVAC SYSTEM		
	G134-0124045		A285024 (WH-8272003)	A285024	BOLT, hydrovac to rear hydraulic brake pressure line connector	2	
H-6	H006-0211120		A215923	A215923	CLAMP, brake hydrovac check valve to coupling hose (1/2)	2	
	G134-0137800	03-3	A303655	A303655	CLAMP, hose, brake hydrovac vacuum hose to air cleaner (3/4)	4	
H-6	H006-0100730	12-6	500676 (BX-371910)		CLAMP, hose, 5/8 in. (hydrovac vacuum hose)	4	
	G102-2688005	12-6	A293953 (BX-372870)	A293953	CLAMP, hydrovac stud	8	
	G136-0140063	12-8	A284149 (WH-7727)	A284149	CONNECTOR, hydrovac to front axle hydraulic brake line	1	
	G136-0140064	12-7	A284150 (WH-1074)	A284150	CONNECTOR, hydrovac to intermediate and rear axle hydraulic brake line	1	
	G134-0139647	12-7	A285023 (WH-272207)	A285023	CONNECTOR, hydrovac to rear hydraulic brake pressure line	1	
	G134-0140023	12-6	A282632 (BX-372897)	A282632	COVER, hydrovac valve body	1	

	G136-0143552	12-6	A303601 (BX-372930)	A303601	CUP, hydrovac piston	1
	0820-373325	12-6	B264110 (BX-373325)	B264110	CYLINDER, hydrovac, rear	1
	0820-373051	12-6	D72394 (BX-373051)	D72394	CYLINDER, slave, hydrovac	2
	G147-0145855	12-6	A184581 (BX-373020)	A184581	CYLINDER, hydrovac, w/BOSS, assembly	1
	G102-5282593	12-6	A282593 (BX-372894)	A282593	DIAPHRAGM, hydrovac, w/PLATES, assembly	1
	G147-0169035	12-6	A293985 (BX-373014)	A293985	ELBOW, hydrovac, assembly	1
	G147-0169034	12-6	A293987 (BX-373013)	A293987	ELBOW, hydrovac, assembly	1
	G136-0169031		A303674 (BX-11015)	A303674	ELBOW, hydrovac check valve to coupling hose	1
	G134-0169059		A284975 (WH-400-X-8)	A284975	ELBOW, hydrovac intake manifold check valve, lower (1/2)	1
H-6	H006-0265610		120063		ELBOW, street, M.I., 90°, black, 3/8 in., correcting (intake manifold hydrovac valve brake hydrovac)	1
	G136-0183244	12-6	A282619 (BX-372933)	A282619	FITTING, hydrovac valve	1
	G134-0193876	12-7	A285031	A285031	GASKET, hydrovac connector to axle, outer	2
	G067-0600760	12-6	A167598 (BX-16738)	A167598	GASKET, hydrovac, cylinder	2
	0820-371420	12-6	A282509 (BX-371420)	A282509	GASKET, hydrovac, diaphragm	1
	G102-0204754	12-6	A282610 (BX-372885)	A282610	GASKET, hydrovac slave cylinder	1
	G136-0194064	12-6	A303551 (BX-371913)	A303551	GASKET, hydrovac slave cylinder plug	1
	G134-0193842	12-6	A282633 (BX-372898)	A282633	GASKET, hydrovac valve body	1
	G147-0194012	12-6	A282620 (BX-372891)	A282620	GASKET, hydrovac valve fitting	1
	G136-0205615	12-6	A303555 (BX-373001)	A303555	GUIDE, hydrovac, w/SEAL, assembly	1
	G136-0217817		A284993 (BX-99-S-252)	A284993	HOSE, brake hydrovac intake manifold check valve line to hydrovac coupling (1/2 I.D. x 15/16 O.D. x 4)	1
	G122-0217432	12-6	(BX-99-S-314)		HOSE, correcting, hydrovac control valve (5/8 x 2 1/4 long)	2
	G136-0223460	12-8	D72378 (BX-373330)	D72378	HYDROVAC, brake, assembly	1
H-1	H001-0725650		503344		NUT, safety, S. (elastic stop nut type-NF) 5/16-24NF-3	6
H-1	H001-1531003		106262		WASHER, plain, S., U.S. std., 5/16 in. (3/8 in. I.D. x 7/8 in. O.D. x 1/16 in. thick)	6

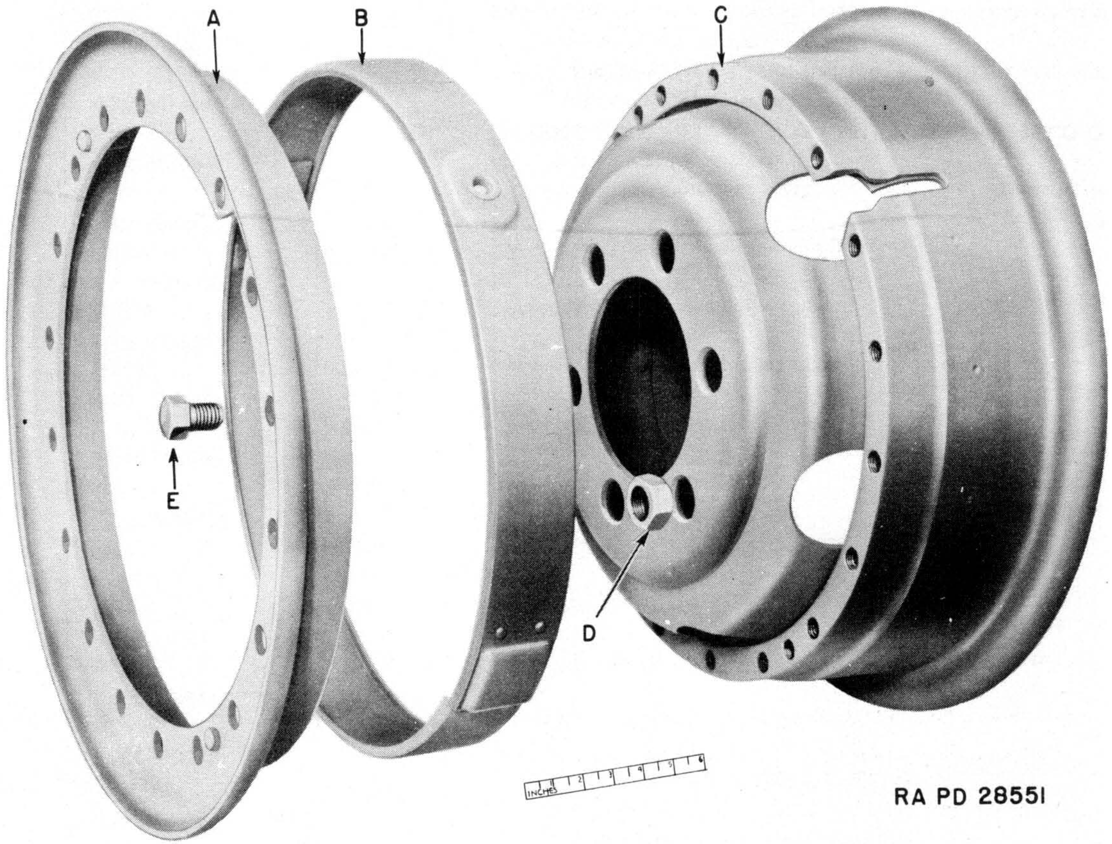
GROUP 12—BRAKES

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1205—HYDROVAC SYSTEM (Cont'd)		
	G136-0367547		A303697 (BX-373431)	A303697	KIT, repair, brake hydrovac	1	
					(Consists of:		
	G136-0143552		(BX-372930)		1–CUP, piston valve		
	G067-0600690		(BX-16737)		2–FELT, assembly		
	G102-0204754		(BX-372885)		1–GASKET, hydraulic slave cylinder		
	G067-0600760		(BX-16738)		2–GASKET, vacuum cylinder		
	G147-0194012		(BX-372891)		1–GASKET, valve fitting		
	G136-0194064		(BX-371913)		1–GASKET, plug		
	G136-0205615		(BX-373001)		1–GUIDE, push rod, w/SEAL		
	G102-0303666		(BX-373302)		1–KIT, poppet replacement		
	G067-0601210		(BX-16735)		2–NUT, piston rod		
	G067-0601230		(BX-16743)		2–PACKING, piston		
	G085-3109860		(BX-371696)		1–PIN, push rod lock		
	G067-0601610		(BX-16751)		2–RING, piston packing		
	G136-0382801		(BX-372985)		2–SEAL, hydraulic cylinder		
	G067-0601770		(BX-10550)		1–SEAL, piston rod		
	G067-0601910		(BX-10033)		1–SNAP RING		
	G102-0305354		(BX-372892)		1–SNAP RING		
	G136-0369907		(BX-373003)		2–SNAP RING		
	G136-0338814		(BX-372936)		1–STOP, piston		
	G134-0427093		(BX-373391)		1–VALVE, check, assembly		
	0820-372302		(BX-372302)		1–WASHER, hydraulic cylinder seal		
	G136-0443033		(BX-372993)		1–WASHER, retaining, seat)		
	G102-9303666	12-6	B264108 (BX-373302)	B264108	KIT, repair, brake hydrovac	1	
					(Consists of:		
	G102-5282593		(BX-372894)		1–DIAPHRAGM, w/PLATES		
	0802-371420		(BX-371420)		1–GASKET, diaphragm		
	G134-0193842		(BX-372898)		1–GASKET, valve body		
H-1	H001-0716021		(BX-787S-1)		1–NUT, check		
	G147-0427254		(BX-371415)		1–SEAL, valve		
	G147-0389688		(BX-373283)		1–SEAL, assembly		
	G147-0443038		(BX-373282)		1–WASHER, lead)		
	G136-6248867	03-3	B248867	B248867	LINE, air cleaner to brake hydrovac (3/4 O.D.)	1	
	G136-0408048	12-8	D67414	D67414	LINE, brake pressure from hydrovac, rear, assembly (S., 5/16 x 87 7/16)	1	
	G136-0408043	12-8	B248895	B248895	LINE, front brake line from hydrovac, assembly (S., 1/4 x 21)	1	
	G136-0407953		B248868	B248868	LINE, hydrovac check valve to hydrovac (S., 1/2 x 5 3/4)	1	

	G136-0408036	12-8	B248900	B248900	LINE, hydrovac to front axle, center, assembly (S., 1/4 x 21)	1
	G136-0408049	12-8	B248890	B248890	LINE, hydrovac to hull, assembly (S., 5/16 x 11)	1
H-6	H006-0229040		B6498-C	B6498	NIPPLE, pipe, brake hydrovac check valve correcting elbow, 3/8 x 1, upper	1
	G067-0601210	12-6	A215881 (BX-16735)	A215881	NUT, hydrovac piston rod	4
H-1	H001-0716021		219701 (BX-78-S-1)		NUT, jam, hex., s-fin., S., 1/4-28NF-2 (hydrovac poppet check)	1
H-1	H001-0718022	12-6	218564 (BX-901625)		NUT, reg., hex., s-fin., S., 5/16-24NF-2 (brake hydrovac stud)	4
	G067-0601230	12-6	A167602 (BX-16743)	A167602	PACKING, hydrovac piston	2
	G085-3109860	12-6	A215882 (BX-371696)	A215882	PIN, hydrovac piston rod	1
	G136-0338814	12-6	A303600 (BX-372935)	A303600	PISTON, hydrovac relay wire	1
	G134-0338845	12-6	A303532 (BX-372991)	A303532	PISTON, hydrovac, w/VALVE, assembly	1
	G147-0340215	12-6	A184585 (BX-373019)	A184585	PLATE, center, hydrovac	
	G067-0601440	12-6	A167600 (BX-16740)	A167600	PLATE, hydrovac piston, front	2
	G067-0601450	12-6	A167601 (BX-16742)	A167601	PLATE, hydrovac piston, rear	2
	G102-2582827	12-6	A293956 (BX-372884)	A293956	PLATE, reinforcing, hydrovac	1
	0820-373029	12-6	B264165 (BX-373029)	B264165	PLUG, hydrovac cylinder	1
H-6	H006-0283956	12-6	A215927 (BX-94-S-1)	A215927	PLUG, pipe, 1/8-NPT (brake hydrovac elbow)	1
H-6	H006-0283810	12-6	219191 (BX-94-S-5)		PLUG, pipe, sq-hd., black, 3/8 in. (brake hydrovac poppet body)	2
	G067-0601550	12-6	A167599 (BX-16739)	A167599	RETAINER, hydrovac piston seal	2
	G134-0367347	12-6	A303531 (BX-372986)	A303531	RETAINER, hydrovac spring	1
	G067-0601610	12-6	A167604 (BX-16751)	A167604	RING, packing, hydrovac piston	2
	G086-3111880	12-6	A215869 (BX-371774)	A215869	ROD, piston, hydrovac, w/thrust CUP, assembly	1
	0820-373331	12-6	A303506 (BX-373331)	A303506	ROD, push, hydrovac	1

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1205—HYDROVAC SYSTEM (Cont'd)		
	G102-5282779	12-6	A282779 (BX-41023)	A282779	SCREW, bleeder, brake hydrovac hydraulic cylinder, assembly	3	
H-1	H001-1013031	12-6	216971 (BX-900093)		SCREW, cap, hex-hd., S., 3/8-16NC-2 x 7/8 (mounting brake hydrovac slave cylinder)	4	
	G102-5282629	12-6	A282629 (BX-372411)	A282629	SCREW, hex-hd., hydrovac bleeder	3	
H-1	H001-1026082	12-6	117273 (BX-903913)		SCREW, machine, oval-fil-hd., S., No. 8 (.164)-32NC-2 x 2 1/4 (brake hydrovac valve)	1	
H-1	H001-1026072	12-6	100712 (BX-903903)		SCREW, machine, oval-fil-hd., S., No. 8 (.164)-32NC-2 x 1/2 (brake hydrovac valve)	5	
H-1	H001-1026070	12-6	100711 (BX-903901)		SCREW, machine, oval-fil-hd., S., No. 8 (.164)-32 x 3/8 (brake hydrovac valve body cover)	6	
	G136-0382801	12-6	A303550 (BX-372985)	A303550	SEAL, hydrovac cylinder	2	
	G067-0601770	12-6	A167894 (BX-10550)	A167894	SEAL, hydrovac piston rod	1	
	G147-0384226		A303619 (BX-373283)	A303619	SEAL, hydrovac poppet valve, assembly	1	
	G102-0305354	12-6	A282618 (BX-372892)	A282618	SNAP RING, hydrovac, piston stop	1	
	G136-0369907	12-6	A303553 (BX-373003)	A303553	SNAP RING, hydrovac	2	
	G134-0338855	12-6	A303533 (BX-373003)	A303533	SNAP RING, hydrovac slave cylinder	2	
	G102-5282608	12-6	A282608 (BX-372899)	A282608	SPRING, hydrovac cup seal	1	
	G067-0601910	12-6	A167893 (BX-10033)	A167893	SPRING, hydrovac end plate	1	
	G085-3114140	12-6	A215884 (BX-22458)	A215884	SPRING, hydrovac piston return	1	
	G134-0389687	12-6	A303534 (BX-373068)	A303534	SPRING, return, hydrovac piston	1	
	G102-0306634	12-6	A282634 (BX-371912)	A282634	SPRING, hydrovac poppet	1	
	G102-5282508	12-6	A282508 (BX-373125)	A282508	SPRING, hydrovac valve seat	1	

	G067-0600690	12-6	A215878 (BX-16737)	A215878	STAPLE, hydrovac, w/FELT, assembly	2
	G102-5282510	12-6	A282510 (BX-372896)	A282510	STOP, hydrovac diaphragm	1
	0820-372936	12-6	A282628 (BX-372936)	A282628	STOP, hydrovac piston	1
	G147-0392278	12-6	A293952 (BX-373012)	A293952	STUD, hydrovac cylinder	4
	G136-0392771		C118070	C118070	SUPPORT, hydrovac, assembly	2
H-1	H001-0116219		223598		BOLT, hex-hd., s-fin., alloy-S., $\frac{3}{8}$-24NF-2 x 1	2
H-1	H001-0116601		223969		BOLT, hex-hd., s-fin., alloy-S., $\frac{3}{8}$-24NF-2 x 1$\frac{3}{8}$	2
H-1	H001-0718023		218565		NUT, reg., hex., s-fin., S., $\frac{3}{8}$-24NF-2	2
H-1	H001-1518009		103321		WASHER, lock, reg., S., $\frac{3}{8}$ in. (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thk.)	4
	G147-0407855	12-6	A293955 (BX-373009)	A293955	TUBE, hydrovac, w/ELBOW, assembly	1
	0820-373327	12-6	A303508 (BX-373327)	A303508	TUBE, hydrovac body, w/ELBOW, assembly	1
	G134-0427092	01-2	A303408 (BX-21650)	A303408	VALVE, check, brake hydrovac to manifold, assembly	1
	G134-0427093		A303207 (BX-373391)	A303207	VALVE, check, hydrovac, assembly	1
	G136-0427302	12-6	A282631 (BX-372927)	A282631	VALVE, hydrovac, w/BODY, assembly	1
	G136-0443033	12-6	A303552 (BX-372993)	A303552	WASHER, hydrovac	1
	G133-0442709	12-6	A282611 (BX-372302)	A282611	WASHER, hydrovac cylinder seal	1
	G122-0442607	12-6	A282617 (BX-372893)	A282617	WASHER, hydrovac piston stop	1
	G147-0443038		A303618 (BX-373282)	A303618	WASHER, hydrovac poppet lead	1
	G067-0602300	12-6	A167892 (BX-10031)	A167892	WASHER, hydrovac spring end plate	1
H-1	H001-1519011	12-6	115549 (BX-901089)		WASHER, lock, internal teeth, reg., S., $\frac{3}{8}$ in. (brake hydrovac slave cylinder mounting screw)	4
H-1	H001-1518004	12-6	106496 (BX-901003)		WASHER, lock, reg., S., No. 8 (.164) (.169 I.D. x .263 O.D. x $\frac{3}{64}$ thk.) (brake hydrovac slave cylinder mounting screw)	12
H-1	H001-1518005	12-6	106497 (BX-901004)		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x $\frac{3}{64}$ thk.) (brake hydrovac mounting stud)	3
H-1	H001-1518008	12-6	103320 (BX-901007)		WASHER, lock, reg., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{1}{16}$ thk.) (brake hydrovac mounting stud)	4

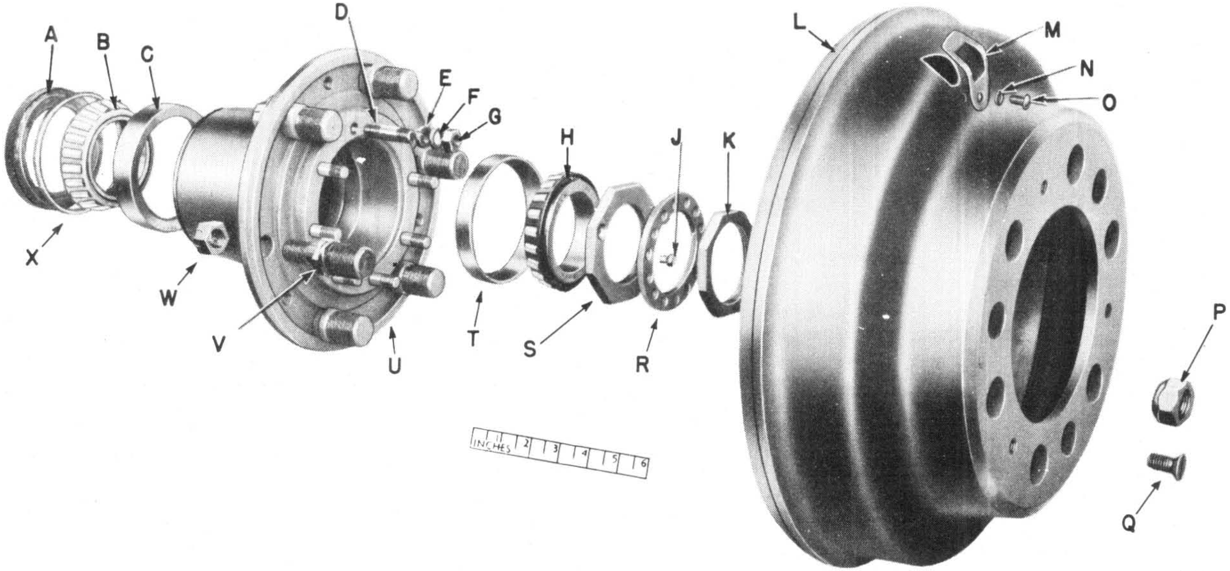


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FIGURE 13-1—WHEEL AND RIM, ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	RING	C91532	1311
B	BEADLOCK	C106479	1311
C	WHEEL, assembly	C118042	1311
D	NUT, right	A283151-A	1311
	NUT, left	A283151-B	1311
E	SCREW	A223118	1311

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FIGURE 13-2—HUB AND DRUM ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	SEAL, oil	A283743	1311
B	CONE	705484	1311
C	CUP	706879	1311
D	STUD	A283745	1102
E	ADAPTER	A283152-A	1102
F	WASHER	103328	1102
G	NUT	218582	1102
H	CONE	705062	1311
J	PIN, dowel	A283729	1311
K	NUT	A283732	1311
L	DRUM	C118041-A	1312
M	COVER	A283718	1312
N	WASHER	103319	1312
O	SCREW	191306	1312
P	NUT, right	A283151-A	1311
	NUT, left	A283151-B	1311
Q	SCREW	A283719	1312
R	WASHER	B248752	1311
S	NUT	A283730	1311
T	CUP	706652	1311
U	HUB	C118038	1312
V	STUD, right	B248685-A	1312
	STUD, left	B248685-B	1312
W	NUT	A276964	1312
X	SEAL, oil	A283731	1311

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 13—WHEELS, HUBS AND DRUMS		
					1311—WHEEL ASSEMBLY, BEARINGS, STUDS AND NUTS		
H-14	H014-0520958	13-1	C106479 (FSP-RA-7087)	C106479	BEADLOCK, wheel, assembly	6	
H-12	H012-6163580	13-2	705484 (TIM-33281)	A283654	CONE, tapered roller bearing (includes ROLLERS)	6	
H-12	H012-6103000	13-2	705062 (TIM-395-A)	A283655	CONE, tapered roller bearing (includes ROLLERS)	6	
H-12	H012-6225100	13-2	706879 (TIM-33472)	A283654	CUP, tapered roller bearing (inner)	6	
H-12	H012-6202450	13-2	706652 (TIM-394-A)	A283655	CUP, tapered roller bearing (outer)	6	
	G136-0314882	10-3 11-2 13-2	A283730	A283730	NUT, adjusting, wheel bearing (hex., 2⅝-16USF-2 x 23/64 thk.)	6	
	G136-0314883	10-3 11-2 13-2	A283732	A283732	NUT, lock, wheel bearing adjusting nut (hex., 2⅝-16USF x 13/32 thk.)	6	
	G134-0314737	13-2	A283151-B	A283151	NUT, mounting, left wheel (1⅛-16NF-2)	18	
	G134-0314736	13-2	A283151-A	A283151	NUT, mounting, right wheel (1⅛-16NF-2)	18	
	C021-5591532	13-1	C91532 (BW-44894D1)	C91532	RING, wheel side (20 x 6.00)	6	
	G136-0382067	13-1	A223118	A223118	SCREW, cap, ¾-10NC-2 x 1, wheel side ring to wheel	108	
	G136-0155701	10-3 11-2 13-2	A283729	A283729	PIN, dowel, wheel bearing adjusting nut locking washer	6	
	G136-0382850	10-3 13-2	A283743 (TD-A-1205-P-432)	A283743	SEAL, oil, inner wheel bearing, assembly	6	
	G136-0143558	13-2	A283731	A283731	SEAL, oil, wheel bearing wiper cup	6	
	G136-0443085	10-3 11-2 13-2	B248752	B248752	WASHER, locking, wheel bearing adjusting nut	6	
	C021-0400785	13-1	C91574 (BW-45570)	C91574	WHEEL, w/ring and SCREWS, assembly (20 x 600) (Consists of:	6	
			C118020	C118020	1-RIM		
	C021-5591532		C91532	C91532	1-RING		
	G136-0382067		A223118	A223118	17-SCREW		
			C118042	C118042	1-WHEEL)		

	G134-0314737	13-1 13-2	A283151-B (FM-BB-1134)	A283151	NUT, retaining, left hand thread, left wheel ($1\frac{1}{8}$-16NF-2)	18
	G134-0314736	13-1	A283151-A (FM-BB-1135)	A283151	NUT, retaining, right hand thread, wheel ($1\frac{1}{8}$-16NF-2)	18

1312—HUBS AND DRUMS

	G136-0131555	10-1	B248757 (TD-3262-L-64)	B248757	CAP, wheel hub	2
	G136-0140216	13-2	A283718	A283718	COVER, brake drum inspection hole	6
H-1	H001-1030672	13-2	191306		SCREW, machine, rd-hd., S., $\frac{1}{4}$-28NF-2 x $\frac{7}{16}$	6
H-1	H001-1518007	13-2	103319		WASHER, lock, reg., S., $\frac{1}{4}$ in. (.265 I.D. x .453 O.D. x $\frac{1}{16}$ thick)	6
	G136-0157461	13-2	C118041-A (KHW-26699)	C118041	DRUM, wheel brake	6
176-52-83719	~~G136-0382078~~	13-2	A283719	A283719	SCREW, cap, fl-hd., S., cd-pltd., $\frac{1}{2}$-13 AM. NAT. x 1, wheel brake drum to hub	18
	G136-0221035		C118039-B (KHW-26695)	C118039	HUB and DRUM, w/axle drive flange and wheel studs, left, assembly	3
	G136-0221030		C118039-A (KHW-26694)	C118039	HUB and DRUM, w/axle drive flange and wheel studs, right, assembly	3
		13-2	C118038	C118038	HUB, wheel	6
	G136-0314885	13-2	A276964 (FM-350122-S2)	A276964	NUT, hex., slotted, $\frac{3}{4}$-16NF-2 (wheel studs to hub)	36
	G136-0392312	13-2	B248685-A	B248685	STUD, S., $\frac{3}{4}$-16NF-2 ($1\frac{1}{16}$) x $3\frac{17}{32}$ x $1\frac{1}{8}$-16NF-2, right ($1\frac{7}{32}$) (wheel brake drum)	18
	G136-0392313	13-2	B248685-B	B248685	STUD, S., $\frac{3}{4}$-16NF-2 ($1\frac{1}{16}$) x $3\frac{17}{32}$ x $1\frac{1}{8}$-16NF-2, left ($1\frac{7}{32}$) (wheel brake drum)	18
	G136-0392331	13-2	A283745	A283745	STUD, S., $\frac{7}{16}$-20SAE ($\frac{9}{16}$) x $2\frac{1}{64}$ x $\frac{7}{16}$-14USS ($\frac{5}{8}$) (attaching axle shaft to hub)	48

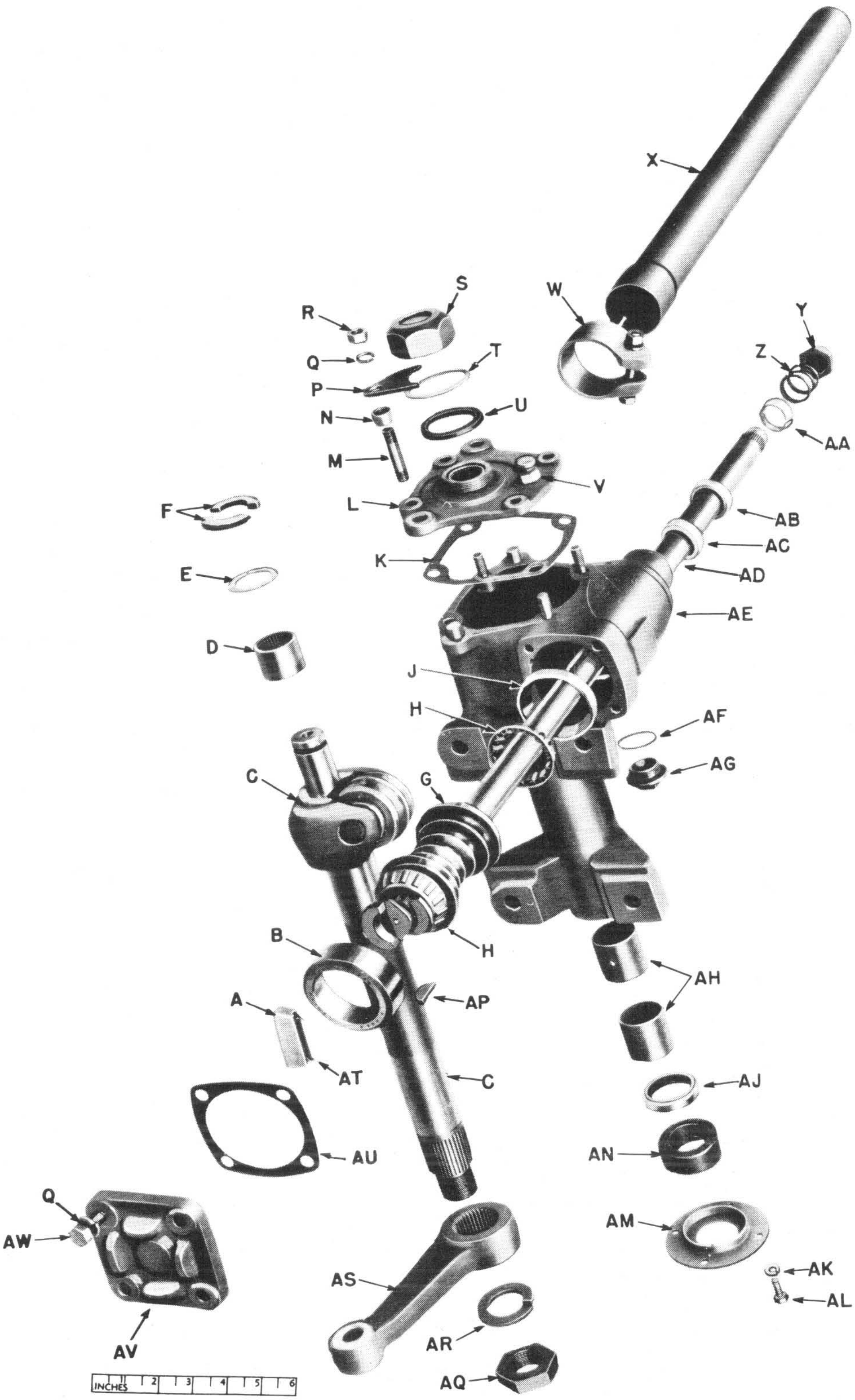
1313—TIRES AND TUBES

H-14	H014-514510				TIRE, pneumatic, new, 9.00-20, combat, mud and snow tread	6
H-14	H014-519446				TUBE, new, 9.00-20, combat	6

GROUP 14—STEERING

1401.1—STEERING CONNECTING ROD

	G136-0392319	14-2	B248845 (TP-20-MS-25)	B248845	BALL, stud, steering connecting rod (knuckle end)	1
	G136-0389603	14-2	A283783 (TP-20-MS-1)	A283783	BALL, stud, steering connecting rod (pitman arm end)	1
	G136-0127877	14-2	A283781 (TP-20-DE-10)	A283781	BUMPER, steering connecting rod ball stud spring	2
	G136-0131558	14-2	A283774 (TP-20-D, -18)	A283774	CAP, steering connecting rod grease retainer	1
	G136-6248851	14-2	B248851 (TP-20-DM-47)	B248851	COVER, dust, steering connecting rod knuckle end	1
H-2	H002-0504208	14-2	504208 (AD-1980)		FITTING, lubricating, steering connecting rod	2



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FIGURE 14-1—STEERING GEAR, ASSEMBLY (EXPLODED)

FIGURE 14-1—STEERING GEAR, ASSEMBLY (EXPLODED)

Key	Item	Part No.	Group No.
A	BAR	A283678	1401.3
B	RING	A283676	1401.3
C	SHAFT, assembly	C118033	1401.3
D	BEARING	A283697	1401.3
E	SHIM	A282930-A	1401.3
	SHIM	A282930-B	1401.3
F	WASHER	A282945	1401.3
G	WORM	C118032	1401.3
H	CONE, w/ROLLER	A283672	1401.3
J	CUP	A283671	1401.3
K	GASKET	A283692	1401.3
L	COVER, assembly (Part of A284044)	B248676	1401.3
M	STUD	A283696	1401.3
N	SPACER	A283688	1401.3
P	PLATE	A282943	1401.3
Q	WASHER, lock	103321	1401.3
R	NUT	218565	1401.3
S	NUT	A282948	1401.3
T	RETAINER	A282944	1401.3
U	WASHER	A282923	1401.3
	WASHER	A282925	1401.3
V	VENT	A282942	1401.3
W	CLAMP	A283679	1401.3
X	TUBE	A283694	1401.3
Y	NUT	A282957	1401.3
Z	SPRING	A282962	1401.3
AA	SPACER	A282917	1401.3
AB	BEARING	A282915	1401.3
AC	SEAL, oil	A283681	1401.3
AD	COLUMN, assembly	B248679	1401.3
AE	HOUSING (Part of A284044)	D67367	1401.3
AF	GASKET	A282969	1401.3
AG	PLUG	A282968	1401.3
AH	BUSHING	A283695	1401.3
AJ	SEAL, oil	A283685	1401.3
AK	WASHER, lock	103319	1401.3
AL	BOLT	223954	1401.3
AM	RETAINER	A284585	1401.3
AN	SEAL	A284079	1401.3
AP	KEY	A283682	1401.3
AQ	NUT	A282932	1401.3
AR	WASHER, lock	118027	1401.3
AS	LEVER	C118031	1401.3
AT	SPRING	A284505	1401.3
AU	SHIM	A283680	1401.3
AV	COVER	A283691	1401.3
AW	SCREW	A283687	1401.3

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GROUP 14—STEERING

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1401.1—STEERING CONNECTING ROD (Cont'd)		
	G136-0232740		A283778 (FM-09B-3321)	A283778	INSERT, steering drag link	2	
	G134-0276431		C118056	C118056	LINK, connecting, assembly	1	
	G136-5284557	14-2	A284557 (FM-33973-S2)	A284557	NUT, castle, connecting rod to pitman arm ball stud (S., 5/8-18NF-3)	1	
H-1	H001-0713004	14-2	103050		NUT, castle, S., 3/4-16NF-2	1	
H-1	H001-0811053		103386		PIN, cotter, split, S. (type B) 1/8 x 1 1/4	2	
H-1	H001-0811067		103400		PIN, cotter, split, S. (type B) 5/32 x 2	2	
	G136-0340679	12-4	A283782 (FM-09B-3328)	A283782	PLUG, adjusting, steering connecting rod end	2	
	G136-0382891	14-2	A283779 (TP-20-DB-15)	A283779	SEAT, steering connecting rod ball stud	4	
	G136-0389826	14-2	A283780 (TP-20-DS-5)	A283780	SPRING, steering connecting rod ball stud tension spring	2	
	G136-5284493	14-2	A284493 (TP-20-DS-18)	A284493	SPRING, steering connecting rod dust cover (knuckle end)	1	
	G136-0389825	14-2	A283776 (TP-20-DS-22)	A283776	SPRING, steering connecting rod dust cover (tie rod end)	1	
		14-2	C118056-A	C118056	TUBE, steering connecting rod (part of GAK-C118056 steering connecting rod, assembly)	1	
	G136-0443073	14-2	A283777 (TP-20-DM-12)	A283777	WASHER, steering connecting rod dust cover	1	
	G136-0443072	14-2	A283775 (TP-20-DM-36)	A283775	WASHER, steering connecting rod grease retainer	1	
					1401.2—STEERING TIE ROD		
	G136-0118115	14-3	A283837 (TP-24DB-23)	A283837	BEARING, steering tie rod end stud	2	
	G136-0140220	14-3	A283836 (TP-24DM-30)	A283836	COVER, dust, fabric, steering tie rod end	2	
	G136-0140219	14-3	A283835 (TP-24DW-13)	A283835	COVER, dust, steering tie rod end	2	
	G136-0170292	14-3	C118025-B (TP-24-SV-32-A4)	C118025	END, steering tie rod, left, assembly	1	
H-1	H001-0116342	14-3	223739		BOLT, hex-hd., s-fin., alloy-S., 5/8-18NF-2 x 2 1/4	4	
H-1	H001-0718027	14-3	218196		NUT, regular, hex., s-fin., S., 5/8-18NF-2	4	
H-1	H001-1518013	14-3	103325		WASHER, lock, reg., S., 5/8 in. (.655 I.D. x 1.062 O.D. x 5/32 thick)	2	
			B248707-B	B248707	END, steering tie rod, L.H.	1	

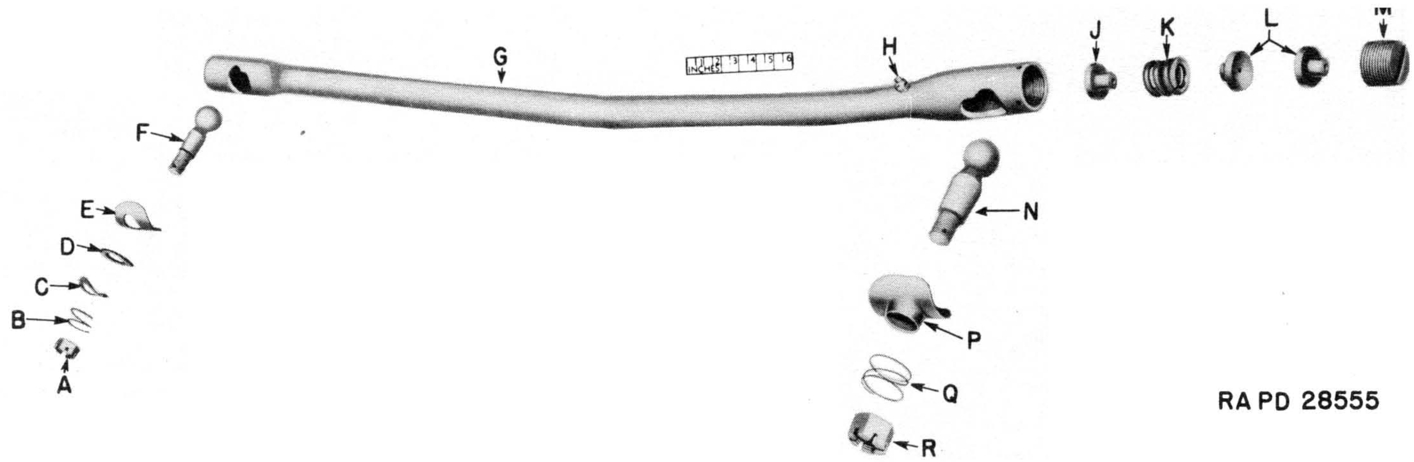
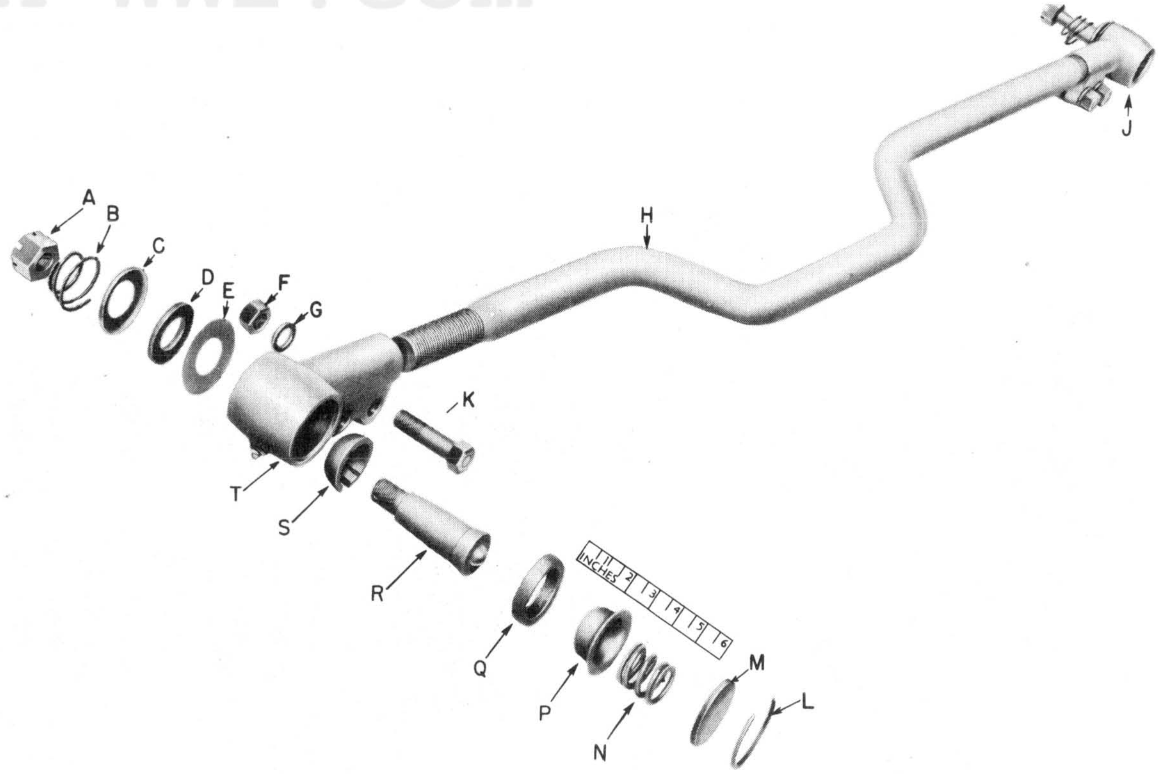


FIGURE 14-2—STEERING DRAG LINK

Key	Item	Part No.	Group No.
A	NUT	A284557	1401.1
B	SPRING	A283776	1401.1
C	CAP	A283774	1401.1
D	WASHER	A283775	1401.1
E	WASHER	A283777	1401.1
F	BALL, stud	A283783	1401.1
G	TUBE	C118056-A	1401.1
H	FITTING	504208	1401.1
J	BUMPER	A283781	1401.1
K	SPRING	A283780	1401.1
L	SEAT	A283779	1401.1
M	PLUG	A283782	1401.1
N	BALL, stud	B248845	1401.1
P	COVER	B248851	1401.1
Q	SPRING	A284493	1401.1
R	NUT	103050	1401.1

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FIGURE 14-3—STEERING TIE ROD

Key	Item	Part No.	Group No.
A	NUT	103050	1401.2
B	SPRING	A283833	1401.2
C	SHIELD	A283834	1401.2
D	COVER	A283836	1401.2
E	COVER	A283835	1401.2
F	NUT	218196	1401.2
G	WASHER	103325	1401.2
H	ROD	C118024	1401.2
J	END, right assembly	C118025-A	1401.2
	END, left assembly	C118025-B	1401.2
K	BOLT	223739	1401.2
L	RING	A283842	1401.2
M	PLUG	A283841	1401.2
N	SPRING	A283843	1401.2
P	SEAT	A283839	1401.2
Q	WASHER	A283840	1401.2
R	STUD	A283832-A	1401.2
S	BEARING	A283837	1401.2
T	END, right	B248707-A	1401.2
	END, left	B248707-B	1401.2

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1401.2—STEERING TIE ROD (Cont'd)		
	G136-0170291	14-3	C118025-A (TP-24-SV-31-A4)	C118025	END, steering tie rod, right, assembly	1	
H-1	H001-0116342	14-3	223739		BOLT, hex-hd., s-fin., alloy-S, 5/8-18NF-2 x 2 1/4	2	
H-1	H001-0718027	14-3	218196		NUT, regular, hex., s-fin., S., 5/8-18NF	2	
H-1	H001-1518013	14-3	103325		WASHER, lock, reg., S., 5/8 in. (.655 I.D. x 1.062 O.D. x 5/32 thick)	4	
			B248707-A	B248707	END, steering tie rod, R.H.	1	
H-2	H002-0504208		504208 (AD-1980)		FITTING, lubricating, steering tie rod end	2	
	G136-0336150		A283312 (TP-4-EP-4)	A283312	PIN, steering tie rod	2	
	G136-0340680	14-3	A283841 (TP-24-DM-25)	A283841	PLUG, retainer, steering tie rod end stud spring	2	
	G136-0373331	14-3	C118024 (TP-24-T-187)	C118024	ROD, steering tie rod	1	
	G136-0373331	10-1	C118025 (TP-24-T-187)	C118025	ROD, tie, steering, assembly	1	
H-1	H001-0713004	14-3	103050		NUT, castle, S., 3/4-16NF-2	2	
H-1	H001-0811053		103386		PIN, cotter, split, S. (type B) 1/8 x 1 1/4	2	
	G136-0382892	14-3	A283839 (TP-24-DM-32)	A283839	SEAT, steering tie rod end spring	2	
	G136-0384890	14-3	A283834 (TP-24-DM-9)	A283834	SHIELD, steering tie rod dust cover, upper	2	
	G136-0369930	14-3	A283842 (TP-24-DM-24)	A283842	SNAP RING, retaining, steering tie rod end plug	2	
	G136-0389828	14-3	A283833 (TP-24-DS-21)	A283833	SPRING, steering tie rod dust cover shield	2	
	G136-0389829	14-3	A283843 (TP-24-DS-26)	A283843	SPRING, tension, steering tie rod end stud	2	
	G136-0392337	14-3	A283832-A (TP-24-MS-26)	A283832	STUD, steering tie rod end	2	
	G136-0443075	14-3	A283840 (TP-24-DM-33)	A283840	WASHER, felt, steering tie rod end spring seat	2	
					1401.3—STEERING GEAR, ASSEMBLY		
	G136-0110477	14-1	C118031 (GEM-40125)	C118031	ARM, pitman, steering gear, assembly	1	
	G134-0314782	14-1	A282932 (GEM-50055)	A282932	NUT, steering gear sector shaft (S., hex., 1 1/8-16NF-3 tap)	3	
H-1	H001-1517018	14-1	118027		WASHER, lock, lgt., S., 1 1/8 in. (1.155 I.D. x 1.905 O.D. x 3/16 thick)	1	

GROUP 14—STEERING

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1401.3—STEERING GEAR, ASSEMBLY (Cont'd)		
	G136-0115992	14-1	A283678 (GEM-40087)	A283678	BAR, snubber, steering gear main shaft worm	2	
H-12	H012-709429	14-1	A283697 (TR-B-1616)	A283697	BEARING, needle, steering gear housing side cover (1.001 bore x 1. wide)	1	
	G134-0118145	14-1	A282915 (GEM-33737)	A282915	BEARING, steering gear column tube	1	
	G136-0128023	14-1	A283695 (GEM-40014)	A283695	BUSHING, steering gear sector shaft housing (burnish to 1.500-1.501 bore)	2	
	G136-0137809	14-1	A283677 (GEM-40073)	A283677	CLAMP, steering gear jasket, assembly (Consists of:	1	
			216812		1–BOLT		
			A283679	A283679	1–CLAMP		
			(CS-1004)		1–NUT		
			(CS-1104)		1–WASHER)		
	G136-0137817	03-13	A284025	A284025	CLAMP, steering gear tube column plate	1	
H-1	H001-1013246		215993		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1 1/4	2	
H-1	H001-1518009		103221		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thick)	2	
H-12	H012-6100900	14-1	A283672 (TIM-35-C)	A283672	CONE, steering gear main shaft bearing, w/ROLLER	2	
	G136-0140218	14-1	A283691 (GEM-40003)	A283691	COVER, steering gear housing, lower	1	
	G136-0382077	14-1	A283687 (GEM-40028)	A283687	SCREW, cap, steering gear housing lower cover (hex-hd., 3/8-16NF-3 x 1.40)	4	
H-1	H001-1518009	14-1	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thick)	4	
H-12	H012-6200920	14-1	A283671 (TIM-36-X)	A283671	CUP, steering gear main shaft bearing (2.5135 O.D.)	1	
	G104-1543504		C107356-AN	C107356	CUSHION, steering gear column support to instrument panel	2	
H-1	H001-1030078		100749		SCREW, machine, rd-hd., S., No. 8 (.164)-32NC-2 x 1/4	12	
H-1	H001-1519006		115544		WASHER, lock, internal teeth, reg., S., No. 8 (.164)	12	
	G136-7034955		C107356AP	C107356	CUSHION, steering gear column support to instrument panel	2	
	G136-0194073	14-1	A282969 (GEM-50198)	A282969	GASKET, steering gear housing oil filler plug	1	
	G136-0194074	14-1	A283692 (GEM-40010)	A283692	GASKET, steering gear housing side cover	1	
f1765618037	~~G136-0196031~~		C118037 (GEM-40126)	C118037	GEAR, steering, ~~assembly~~ W.O. Wheel assy	1	
H-1	H001-0116316		223722		BOLT, hex-hd., s-fin., alloy-S., 9/16-18NF-2 x 2 1/4	3	
	G136-5284477		A284477	A284477	BOLT, mounting, steering gear, lower right (pilot, dowel fit hex-hd., S., 5/8-18NF-2 x 2)	1	

H-1	H001-0725700		503330		NUT, safety, S., (elastic stop nut type-NF) $\frac{5}{8}$-18NF-3	1	
	G136-0140247	14-1	B284044 (GEM-40145)	B284044	HOUSING, steering gear, w/shaft COVER, assembly (Consists of:	1	
	G136-0128023		A283695	A283695	2–BUSHING		
	G136-0140217		B248676	B248676	1–COVER, assembly		
H-12	H012-6200920		A283671	A283671	1–CUP		
	G136-0155705		A283675	A283675	2–DOWEL		
	G136-0217872		D67367	D67367	1–HOUSING		
H-1	H001-0718023		218565		4–NUT		
	G134-0340416		A282942	A282942	1–PLUG		
	G136-0389407		A283688	A283688	1–SPACER		
	G136-0392326		A283696	A283696	4–STUD		
H-1	H001-1518009		103321		4–WASHER)		
	G136-0258754	14-1	A283682 (GEM-9-3790)	A283682	KEY, steering gear main shaft worm adjusting ring to housing (No. 9, Woodruff)	1	
	G134-0314733	14-1	A282948 (GEM-50011)	A282948	NUT, adjusting, steering gear sector shaft back lash (1$\frac{5}{8}$-16NF-2)	1	
H-1	H001-0718023	14-1	218565		NUT, reg., hex., s-fin., S., $\frac{3}{8}$-24NF-2 (steering sector housing cover)	4	
	G136-0155705		A283675 (GEM-40015)	A283675	PIN, dowel, steering sector housing cover	2	
	G134-0340313	14-1	A282943 (GEM-50019)	A282943	PLATE, lock, steering adjusting nut	1	
	G136-0340290		C118325	C118325	PLATE, steering gear, w/CUSHION, assembly (Consists of:	1	
			C107356	C107356	4–CUSHION		
			C118324	C118324	1–PLATE)		
H-1	H001-1013244		215957		SCREW, cap, hex-hd., S., $\frac{3}{8}$-24NF-2 x $\frac{7}{8}$	3	
H-1	H001-1518009		103321		WASHER, lock, reg., S., $\frac{3}{8}$ in. (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thick)	3	
	G136-5283751		A283751	A283751	PLUG, steering gear housing oil filler (hex-hd., $\frac{3}{4}$-20NS-2)	1	
	G136-0340677	14-1	A282968 (GEM-50189)	A282968	PLUG, steering gear housing oil filler (1-20NF-2)	1	
	G134-0340416	14-1	A282942 (GEM-50139)	A282942	PLUG, ventilator steering gear housing ($\frac{3}{4}$-20NF taper)	1	
	G134-0367349	14-1	A282944	A282944	RETAINER, steering gear sector shaft inner oil seal	1	
	G136-5284585	14-1	A284585	A284585	RETAINER, steering gear sector shaft seal to hull seal	1	
H-1	H001-0116560	14-1	223954		BOLT, hex-hd., s-fin., alloy-S., $\frac{1}{4}$-28NF-2 x $\frac{1}{2}$	4	
H-1	H001-1518007	14-1	103319		WASHER, lock, reg., S., $\frac{1}{4}$ in. (.265 I.D. x .453 O.D. x $\frac{1}{16}$ thick)	4	
H-12	H012-0706630	14-1	A283676	A283676	RING, adjusting, steering gear main shaft bearing	1	
H-1	H001-1013250		216812		SCREW, cap, hex-hd., S., $\frac{3}{8}$-24NF-2 x 2$\frac{1}{4}$ (steering gear main shaft tube clamp)	1	
	G136-5284079	14-1	A284079	A284079	SEAL, felt, steering gear sector shaft to hull (1$\frac{1}{2}$ I.D. x 2$\frac{1}{4}$ O.D. x $\frac{5}{8}$ thick)	1	
	G134-0442635	14-1	A282925 (GEM-50129-50039)	A282925	SEAL, oil, steering gear sector shaft back lash adjusting nut (2 O.D. x 1$\frac{9}{16}$ I.D. x $\frac{1}{8}$) (rubber) (optional with A282923)	4	
	G134-0442624	17-1	A282923 (GEM-50129-50039)	A282923	SEAL, oil, steering gear sector shaft back lash adjusting nut (2 O.D. x 1$\frac{9}{16}$ I.D. x $\frac{1}{4}$ thick) (rubber)	1	

GROUP 14—STEERING

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1401.3—STEERING GEAR, ASSEMBLY (Cont'd)		
	G136-0382810	14-1	A282685 (GEM-40023)	A283685	SEAL, oil, steering gear sector shaft, outer	1	
H-13	H013-0500021	14-1	A283681 (GEM-37087)	A283681	SEAL, oil, steering gear main shaft, upper	1	
	G136-0384831	14-1	C118033 (GEM-40110)	C118033	SHAFT, steering gear sector, assembly (4 to 1 ratio)	1	
	G136-0139853	14-1	B248679 (GEM-40123)	B248679	SHAFT, steering gear, w/WORM, assembly	1	
	G136-0385008		A283684 (GEM-47601)	A283684	SHIM, adjusting, steering gear main shaft bearing (.002 to .003)	A.R.	
	G121-0385009		A283683 (GEM-37008)	A283683	SHIM, adjusting, steering gear main shaft bearing (.005 to .006)	A.R.	
	G136-0385006	14-1	A283680 (GEM-37007)	A283680	SHIM, adjusting, steering gear main shaft bearing (.009 to .011)	A.R.	
	G134-0384917	14-1	A282930-A (GEM-50008)	A282930	SHIM, adjusting, steering gear sector shaft (S., $1\frac{1}{2}$ O.D. x $1\frac{1}{64}$ I.D. x .010)	A.R.	
	G134-0384918	14-1	A282930-B (GEN-50008)	A282930	SHIM, adjusting, steering gear sector shaft (S., $1\frac{1}{2}$ O.D. x $1\frac{1}{64}$ I.D. x .020)	A.R.	
	G136-0389407	14-1	A283688 (GEM-40027)	A283688	SPACER, lock plate, steering gear housing sector shaft adjusting nut ($\frac{25}{64}$ x $\frac{27}{64}$)	1	
	G136-0389406	14-1	A282917 (GEM-40051)	A282917	SPACER, steering gear main shaft bearing	1	
	G134-0389696	14-1	A282962	A282962	SPRING, steering gear main shaft tube bearing	1	
	G136-5284505	14-1	A284505 (GEM-40173)	A284505	SPRING, steering gear main shaft worm snubber bar (interchangeable with A284423)	1	
	G136-0392326	14-1	A283696 (GEM-40029)	A283696	STUD, steering gear housing side cover and sector shaft (S., $\frac{3}{8}$-16NC-2 ($\frac{3}{8}$) x 1.94 x $\frac{3}{8}$-24NF-2 ($\frac{5}{8}$))	1	
	G136-0392327		A283698 (GEM-16230)	A283698	STUD steering gear housing side ($\frac{3}{8}$-16NC-2 ($\frac{1}{2}$) x $1\frac{7}{16}$ x $\frac{3}{8}$-24NF-2 ($\frac{5}{8}$))	3	
	G136-0407829	14-1	A283694 (GEM-40127)	A283694	TUBE, steering gear, w/BEARING	1	
H-1	H001-1518009		103321		WASHER, lock, reg., S., $\frac{3}{8}$ in. (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thick) (steering tube clamp)	1	
H-1	H001-1518012		103324		WASHER, lock, reg., S., $\frac{9}{16}$ in. (.593 I.D. x .968 O.D. x $\frac{1}{8}$ thick) (steering gear housing to hull front plate mounting bolt)	3	
	G134-0442626	14-1	A282945	A282945	WASHER, thrust steering gear sector shaft	2	
	G134-0446895		D67130-B	D67130	WHEEL, steering, assembly	1	
	G134-0314734	14-1	A282957 (GEM-40124)	A282957	NUT, retaining, steering wheel (hex., S., $\frac{7}{8}$-20NF-2)	1	

	G136-0451450	14-1	C118032 (GEM-40109)	C118032	WORM, steering gear main shaft (ratio 24.4:1)	1
					GROUP 15—FRAME AND BRACKETS	
					1503—PINTLE AND TOWING ATTACHMENTS	
H-1	H001-0116084	15-1	223436		BOLT, hex-hd., s-fin., alloy-S., $\frac{5}{8}$-11NC-2 x 2 (towing pintle cap to body)	4
	G136-0155338	15-1	B263463	B263463	DOG, towing pintle	1
	G136-0336165	15-1	A302607	A302607	PIN, mounting, towing pintle dog (straight S., $\frac{3}{4}$ x $3\frac{9}{16}$)	1
		15-1	C126855	C126855	HOUSING, pintle latch	1
H-1	H001-0811052		103385		PIN, cotter, split, S. (type B), $\frac{1}{8}$ x 1 (mounting, towing pintle release lever)	2
H-1	H001-0822119	15-1	505151		PIN, headless, S., $\frac{5}{8}$ x 2.93 clear (mounting, towing pintle release lever)	1
	G104-7069195		7069195		PIN, towing, shackle	4
	G136-0336350		D67391	D67391	PINTLE, towing, quick release, assembly	1
					(Consists of:	
			C118111	C118111	1–BODY, w/FLANGE	
H-1	H001-0116084		223436		4–BOLT	
	G104-1527694		B207886	B207886	1–BUSHING	
	G157-0128017		B263476	B263476	1–BUSHING	
			B248761	B248761	1–CAP	
H-1	H001-0716013		218509		1–NUT	
H-1	H001-0811104		103425		1–PIN, cotter	
	G136-0336450		C100341	C100341	1–PINTLE, w/SHAFT, assembly	
	G136-0389802		B207930	B207930	1–SPRING	
H-1	H001-1516013		103331		4–WASHER	
	G136-0443021		A326687	A326687	1–WASHER)	
H-1	H001-0116700	15-1	224080		BOLT, hex-hd., s-fin., alloy-S., $\frac{5}{8}$-18NF-2 x $1\frac{7}{8}$	6
H-1	H001-0725700		503330		NUT, safety, S. (Elastic Stop Nut type—NF), $\frac{5}{8}$-18NF-3	6
	G136-0336450	15-1	C100341	C100341	PINTLE, towing, w/SHAFT, assembly	1
H-1	H001-0722013	15-1	218509		NUT, slotted, heavy, S., $1\frac{1}{2}$-6NC-2 (towing pintle shaft end)	1
	G136-0443021	15-1	A326687	A326687	WASHER, flat, towing pintle shaft end (S., $1\frac{17}{32}$ I.D. x $2\frac{5}{8}$ O.D. x $\frac{3}{8}$ thk.)	1
	G136-0373453		A302603	A302603	ROLLER, towing pintle	1
H-1	H001-0830467		103788		PIN, straight, cold-fin., S., .500 x $1\frac{1}{2}$	1
	G104-0306030		B159816	B159816	SHACKLE, towing	4
H-1	H001-0811102		103423		PIN, cotter, split, S. (type B), $\frac{1}{4}$ x $2\frac{1}{4}$, towing shackle pin (exhaust present stock then use A213744)	4
	G104-0401278		A213744	A213744	PIN, locking, towing shackle pin, $\frac{1}{4}$	4
	G104-0401277		A213745	A213745	PIN, towing shackle (exhaust present stock then use PIN G104-7069195)	4
	G136-0389802	15-1	B207930	B207930	SPRING, towing pintle (heavy)	1
	G136-0389801	15-1	A302605	A302605	SPRING, towing pintle release catch	1
H-1	H001-1516013	15-1	103331		WASHER, lock, hv., S., $\frac{5}{8}$ in. (.655 I.D. x 1.062 O.D. x $\frac{13}{64}$ thick) (towing pintle cap to body)	4

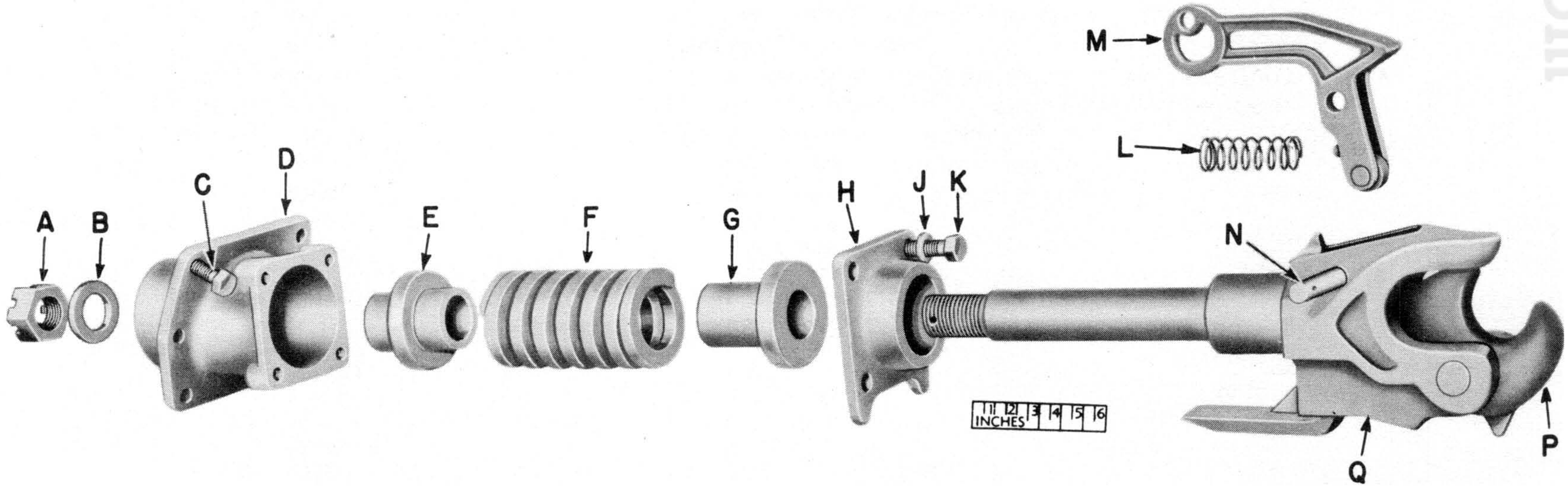
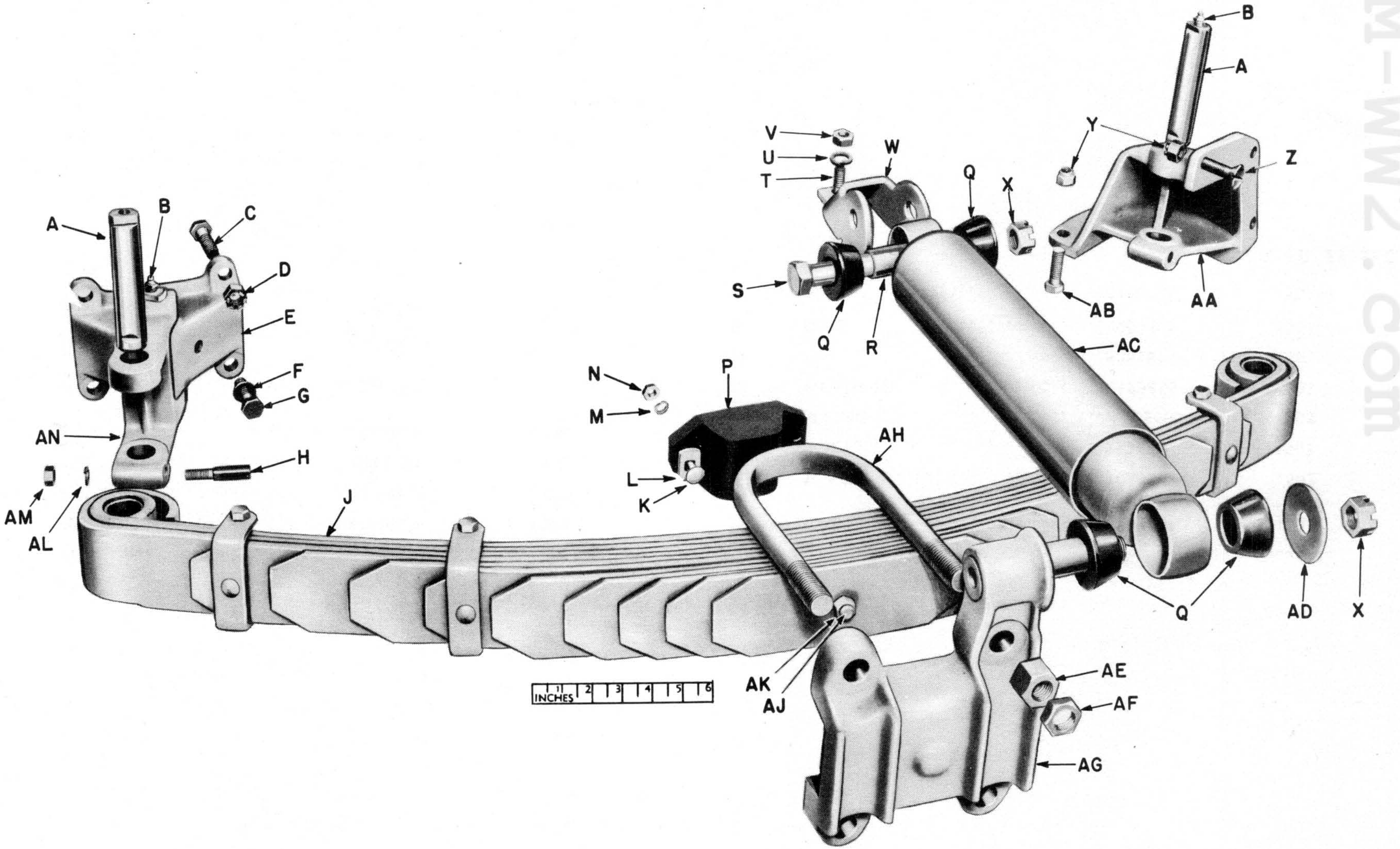

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FIGURE 15-1—PINTLE HOOK, ASSEMBLY (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	NUT	218509	1503
B	WASHER	A326687	1503
C	BOLT	224080	1503
D	BODY (Part of D67391)	C118111	1503
E	BUSHING (Part of D67391)	B207886	1503
F	SPRING	B207930	1503
G	BUSHING (Part of D67391)	B263476	1503
H	CAP (Part of D67391)	B248761	1503
J	WASHER	103331	1503
K	BOLT	223436	1503
L	SPRING	A302605	1503
M	HOUSING	C126855	1503
N	PIN	505151	1503
P	DOG	B263463	1503
Q	PINTLE, w/SHAFT	C100341	1503

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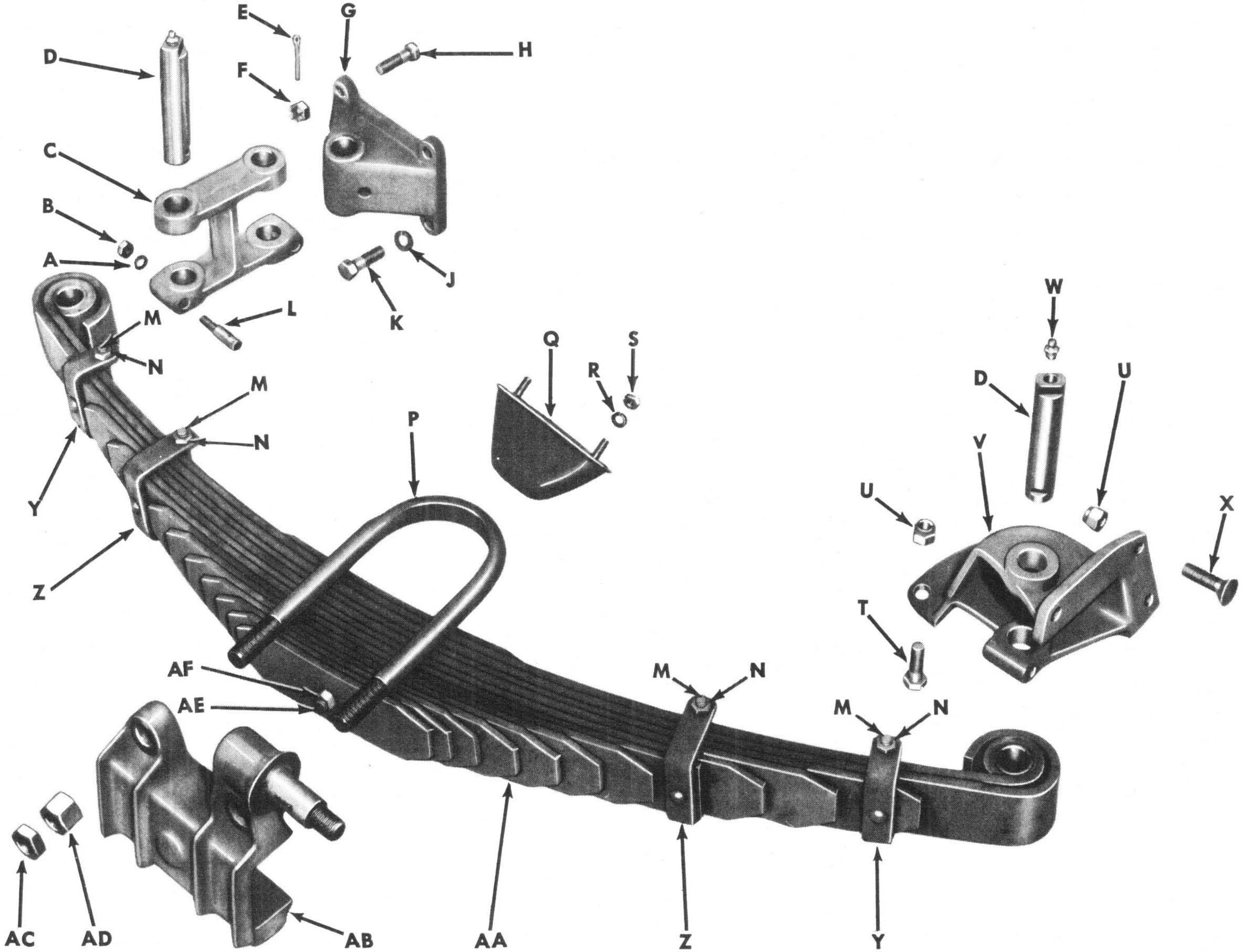
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FIGURE 16-1—FRONT SPRING, SHOCK ABSORBER AND ATTACHING PARTS (EXPLODED) (OLD)

FIGURE 16-1—FRONT SPRING, SHOCK ABSORBER AND ATTACHING PARTS (EXPLODED) (OLD)

Key	Item	Part No.	Group No.
A	PIN	A284541	1601
B	FITTING	504208	1601
C	BOLT	225788	1601
D	NUT	218599	1601
E	BRACKET	C118027	1601
F	WASHER	103329	1601
G	BOLT	224384	1601
H	PIN	A283894	1601
J	SPRING, assembly	D67450	1601
K	BOLT	109103	1601
L	WASHER	A284080	1601
M	WASHER	103320	1601
N	NUT	218564	1601
P	BUMPER	B248864	1610
Q	BUSHING	A283143	1604
R	SPACER	A283918	1604
S	BOLT	225930	1604
T	BOLT	223610	1604
U	WASHER	103322	1604
V	NUT	218582	1604
W	BRACKET	C118072	1604
X	NUT	A283920	1604
Y	NUT	503322	1601
Z	SCREW	501881	1601
AA	BRACKET, right BRACKET, left	D67373-A D67373-B	1601 1601
AB	BOLT	223627	1601
AC	ABSORBER, shock	D67397	1604
AD	WASHER	A283917	1604
AE	NUT	A285074	1601
AF	NUT	A276855	1601
AG	PLATE, right PLATE, left	C118075-A C118075-B	1601 1601
AH	CLIP	B248980	1601
AJ	BOLT	A283772-C	1601
AK	NUT	A285076	1601
AL	WASHER	103321	1601
AM	NUT	218581	1601
AN	SHACKLE	B248691	1601

RA PD 28559C



RA PD 348215

FIGURE 16-2—FRONT SPRING AND ATTACHING PARTS (NEW STYLE)

FIGURE 16-2—FRONT SPRING AND ATTACHING PARTS (NEW STYLE)

Key	Item	Part No.	Group No.
A	WASHER	103321	1601
B	NUT	218581	1601
C	SHACKLE	B248691	1601
D	PIN, shackle	A284541	1601
E	PIN, cotter	103375	1601
F	NUT	218599	1601
G	BRACKET	C118027	1601
H	BOLT	225788	1601
J	WASHER, lock	103329	1601
K	BOLT	224384	1601
L	PIN	A283894	1601
M	BOLT	A283769-A	1601
N	NUT	218438	1601
P	CLIP	B248980	1601
Q	BUMPER, shock	7058818	1601
R	WASHER	103320	1601
S	NUT	218564	1601
T	BOLT	223627	1601
U	NUT	503322	1601
V	BRACKET, left	D67373-B	1601
V	BRACKET, right	D67373-A	1601
W	FITTING	B289258	1601
X	BOLT	501881	1601
Y	CLIP	A283770-E	1601
Z	CLIP	A283770-G	1601
AA	SPRING, front, assembly	D67515	1601
AB	PLATE, right	C118075-A	1601
AB	PLATE, left	C118075-B	1601
AC	NUT	A285074	1601
AD	NUT	A276855	1601
AE	BOLT	A283772-D	1601
AF	NUT	A285076	1601

RA PD 348215A

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					GROUP 16—SPRING AND SHOCK ABSORBER		
					1601—SPRINGS, SPRING BUMPERS, SHACKLES AND ATTACHING PARTS		
	G136-0124271		A283772-B	A283772	BOLT, tie, front spring (fl-fil-hd., S., 7/16-20NF-2 x 3 1/8) (for SPRING D67331)	2	
	G136-7002925	16-2	A283772-D	A283772	BOLT, tie, front spring (fl-fil-hd., S., 7/16-20NF-2 x 4 5/16) (used with D67515 front spring used for vehicles above 7468)	2	
	G176-7008947	16-1	A283772-C	A283772	BOLT, tie, front spring, center (fl-fil-hd., S., 7/16-20NF-2 x 3 3/8) (used for D67450 front spring used vehicles below 7468)	2	
	G136-0124270		A283772-A	A283772	BOLT, tie, rear spring, center (fl-fil-hd., 7/16-20NF-2 x 4 3/16)	2	
	G136-0125916	16-1,2	D67373-B	D67373	BRACKET, front spring, front, left	1	
H-1	H001-0126385	16-1	501881		BOLT, oval-hd., alloy-S., 1/2-20NF-2 x 1 3/4	3	
H-1	H001-0116279	16-1	223627		BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 1 1/2	3	
H-1	H001-0725680	16-1	503322		NUT, safety S. (Elastic Stop Nut type —NF) 1/2-20NF-3	6	
	G136-0125915	16-1,2	D67373-A	D67373	BRACKET, front spring, front, right	1	
H-1	H001-0126385	16-1,2	501881		BOLT, oval-hd., alloy-S., 1/2-20NF-2 x 1 3/4	3	
H-1	H001-0116279	16-1,2	223627		BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 1 1/2	3	
H-1	H001-0725680	16-1,2	503322		NUT, safety S. (Elastic Stop Nut type-NF) 1/2-20NF-3	6	
	G136-0125958	16-1,2	C118027	C118027	BRACKET, front spring, rear, assembly	2	
					(Consists of:		
			C118027-A	C118027	1–BRACKET		
	G136-0128025		A283881	A283881	2–BUSHING)		
H-1	H001-0117132	16-1,2	225788		BOLT, hex-hd., s-fin., alloy-S., dld f/c-pin, 1/2-20NF-2 x 1 5/8	4	
H-1	H001-0118054	16-1,2	224384		BOLT, hex-hd., s-fin., alloy-S., dld f/lkg wire, 1/2-20NF-2 x 1 3/4	4	
H-1	H001-0714250	16-1,2	218599		NUT, castle, alloy-S., 1/2-20NF-2	4	
H-1	H001-0811041	16-2	103375		PIN, cotter, split, S. (type B), 3/32 x 1 1/4	4	
H-1	H001-1518011	16-1,2	103329		WASHER, lock, reg., S., 1/2 in. (.515 I.D. x .859 O.D. x 1/8 thick)	4	
	G136-0127876	11-6	B248864	B248864	BUMPER, axle (rubber) (replaced by 7058818)	6	
	G136-7058818	16-1,2	7058818		BUMPER. shock spring, assembly (replaces B248864) (used on M-8 above number 7876; on M-20 above number 2111)	6	
H-1	H001-0113022	16-1	109103		BOLT, carriage, sq-hd., S., 5/16-18NC-2 x 1 1/2	12	
H-1	H001-0718002	16-1,2	218564		NUT, regular, hex., s-fin., S., 5/16-18NC-2	12	
H-1	H001-1518008	16-1,2	103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thick)	12	
	G136-0443015	16-1	A284080	A284080	WASHER, S., square hole, axle bumper	12	
	G136-0128024		A283773	A283773	BUSHING, front spring eye (S., backed bronze, burnish to .9995 bore)	4	
	G136-0128025		A283881	A283881	BUSHING, front spring rear mounting bracket (burnish to .996 in.)	4	
	G136-7002924	16-2	A283770-G	A283770	CLAMP, front spring (used with D67515 front spring used for vehicles above 7468)	4	

	G136-0124268	16-2	A283769-A	A283769	BOLT, front spring clamp (hex-hd., 3/8-16NC-2 x 3 9/16)	8
H-1	H001-0716003	16-2	218438		NUT, jam, hex., s-fin., alloy-S., 3/8-16NC-2	8
	G136-0137810		A283770-A	A283770	CLAMP, No. 3 leaf, front spring (use with SPRING D67331)	4
	G176-7008951	16-2	A283770-E	A283770	CLAMP, No. 3 leaf, front spring (used for D67450 and D67515 front spring) (used for M-8 above even number 898 and odd number 683 and on M-20 above number 48)	4
	G136-0137811		A283770-B	A283770	CLAMP, No. 6 leaf, front spring (use with SPRING D67331) (height to center of bolt hole 1 3/4)	4
	G176-7008952		A283770-F	A283770	CLAMP, No. 7 leaf, front spring (used for D67450 front spring) (used for vehicles below number 7468)	4
	G136-0137812		A283770-C	A283770	CLAMP, No. 4 leaf, rear spring	4
	G136-0137813		A283770-D	A283770	CLAMP, No. 7 leaf, rear spring	4
	G136-0124269		A283769-B	A283769	BOLT, rear spring clamp (3/8-16NC-2 x 3 5/16)	8
H-1	H001-0716003		218438		NUT, jam, hex., s-fin., S., 3/8-16NC-2	8
	G136-0137990		B248745	B248745	CLIP, front spring (U bolt) (S., 3/4-16NF-2 x 8 1/2) (use with SPRING D67331)	4
	G197-7008452	16-1,2	504208 (AD-1980)		FITTING, lubricating, rear axle spring seat trunnion bearing, assembly	2
	G136-7007198		D67515-A	D67515	LEAF, No. 1, front spring (used for D67515 front spring)	2
	G136-0273900		D67331-A	D67331	LEAF, No. 1, front spring, w/BUSHING, assembly	2
	G136-0273900		D67450-A	D67450	LEAF, No. 1, front spring, w/BUSHING, assembly (used for D67450 front spring) (used on vehicles below 7468)	2
	G136-0273901		D67450-C	D67450	LEAF, No. 2, front spring (used for D67450 front spring) (used on vehicles below 7468)	2
	G176-7039150		D67515-C	D67515	LEAF, No. 2, front spring (used for D67515 front spring)	2
	G136-0273901		D67331-C	D67331	LEAF, No. 2, front spring	2
	G136-0273902		D67331-D	D67331	LEAF, No. 3, front spring	2
	G136-7002922		D67515-D	D67515	LEAF, No. 3, front spring	2
	G136-6615027		D67450-D	D67450	LEAF, No. 3, front spring (used on M-8 even number above 896; odd number number above 681 and M-20 above number 48)	2
	G136-0273903		D67451-A	D67451	LEAF, No. 1, rear spring	2
	G136-0273903		D67332-A	D67332	LEAF, No. 1, rear spring (used on M-8 even number below 666; odd number below 897, and M-20 below number 238)	2
	G176-7008953		D67451-B	D67451	LEAF, No. 2, rear spring	2
	G136-0273904		D67332-B	D67332	LEAF, No. 2, rear spring (used on M-8 even number below 666; odd number below 897, and M-20 below number 238)	2
	G136-0273905		D67332-C	D67332	LEAF, No. 3, rear spring (used on M-8 even number below 666; odd number below 897, and on M-20 below number 238)	2
	G176-7008954		D67451-C	D67451	LEAF, No. 3, rear spring (used on M-8 even number above 664; odd number above 895, and M-20 number 237)	2
	G136-0314844	16-1,2,4	A285074	A285074	NUT, front and rear spring mounting clip (hex., S., 3/4-16NF-2)	16
	G136-0314866	16-1,2,4	A276855	A276855	NUT, front and rear spring mounting clip (jam, s-fin., S., 3/4-16NF-2)	16
	G136-0314845	16-1,2	A285076 (FM-33802-S)	A285076	NUT, front spring center tie bolt (hex., S., 7/16-20NF-2)	2
	G136-0314845		A285076 (FM-33802-S)	A285076	NUT, rear spring tie bolt (hex., S., 7/16-20NF-2)	2

GROUP 16—SPRING AND SHOCK ABSORBERS

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1601—SPRINGS, SPRING BUMPERS, SHACKLES AND ATTACHING PARTS (Cont'd)		
	G136-0336164	16-1,2	A284541	A284541	PIN, front spring shackle	6	
H-1	H001-0719003	16-1,2	218581		NUT, regular, hex., s-fin., alloy-S., 3/8-24NF-2	6	
	G136-0336154	16-1,2	A283894 (FM-81T-5782)	A283894	PIN, locking, front spring shackle pin	6	
H-1	H001-1518009	16-1,2	103321		WASHER, lock, reg., S., 3/8 in. (.390 I.D. x .640 O.D. x 3/32 thick)	6	
	G136-0340207	16-1,2	C118075-B	C118075	PLATE, front spring, left, assembly	1	
					(Consists of:		
			C118075-D	C118075	1–PLATE		
	G136-0392314		B248786	B248786	1–STUD)		
	G136-0340206	16-1,2	C118075-A	C118075	PLATE, front spring, right, assembly	1	
					(Consists of:		
			C118075-C	C118075	1–PLATE		
	G146-0392314		B248786	B248786	1–STUD)		
	G136-0340203	16-4	B248722	B248722	PLATE, rear spring clip	2	
	G136-0384600	16-1,2	B248691	B248691	SHACKLE, spring, front, assembly	2	
	G134-0389712		D67331	D67331	SPRING, 11 leaf, front, assembly (free length 37½ center to center of spring eyes) (replaced by D67450 on FSMWO G136-W1 used D67331 only in extreme emergency)	2	
	G136-6567450	16-1	D67450	D67450	SPRING, 11 leaf, front, assembly (free length 30⅜ center to center of spring eyes) (used on M-8 even number above 896; odd number above 681, and M-20 above number 48)	2	
	G136-6567515	16-2	D67515	D67515	SPRING, No. 13 leaf, front, assembly (used on vehicles above number 7468) (this front spring replaces D67331, 11 leaf, used on odd numbered vehicles 1 to 683 used on even numbered vehicles 2 to 898 D67450 front spring 11 leaf, used on odd numbered vehicles 683 to 7468, even numbered vehicles 898 to 7468, D67515 front spring must be serviced in pairs when used to replace the D67331 and D67450 front springs and 4 "U" bolt clips B248980 must also be used)	2	
	G134-0389713		D67332	D67332	SPRING, rear, assembly (used on M-8 even numbers below 666; odd number 897, and M-20 below number 238) (replaced by D67451)	2	
	G136-6567451	16-4	D67451	D67451	SPRING, rear, assembly (used after first 500 vehicles. D67451 rear spring assembly replaces D67332 rear spring assembly that was used for the first 500 vehicles and is to be used whenever repairs or replacement is necessary in the earlier models)	2	

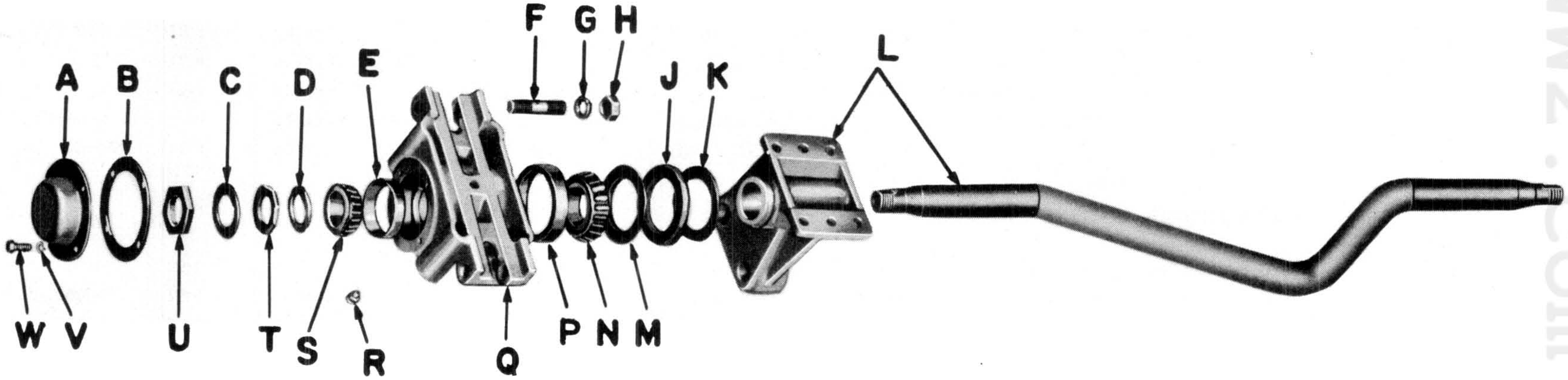
	G136-6248980	16-1,2	B248980	B248980	U-BOLT, mounting, front spring (S., 3/4-16NF-2 x 8 11/16) (used for D67450 front spring used for vehicles below 7468)	4
	G136-7002966		B248980-A	B248980	U-BOLT, mounting, front spring (S., 3/4-16NF-2 x 9 9/16) (used with D67515 front spring used for vehicles above 7468)	4
	G136-0137991	16-4	B248788	B248788	U-BOLT, mounting, rear spring (3/4-16NF-2 x 8 7/8)	4

1604—SHOCK ABSORBERS

	G136-0101015	16-1	D67397	D67397	ABSORBER, shock, assembly	6
H-1	H001-0117213	16-1	225930		BOLT, hex-hd., s-fin., alloy-S., 3/4-16NF-2 x 3	6
	G134-0127653	16-1	A283143	A283143	BUSHING, mounting, upper and lower, rubber shock absorber	24
	G136-0314877	16-1	A283920	A283920	NUT, shock absorber to rear spring seat and hull mounting bracket bolt (castle, 3/4-16NF-2)	12
H-1	H001-0811054		103387		PIN, cotter, split, S. (type B), 1/8 x 1 1/2	12
	G136-0389418	16-1	A283918	A283918	SPACER, for upper shock absorber mounting bolt	6
	G136-0392314		B248786	B248786	STUD, front shock absorber lower link	2
	G136-0384651	11-1,4	B248682	B248682	STUD, lower link, rear shock absorber (S., 3/4-16NF-2 (1 1/16) x 8 15/16 x 3/4-16 NF-2 (15/16))	4
	G136-0443089	16-1	A283917	A283917	WASHER, mounting, outer, front and rear shock absorber (S., 2 1/4 O.D. x .755 I.D. x 3/16 thk.)	6
	G136-0443083		A283916	A283916	WASHER, mounting, inner, rear shock absorber (S., 2 1/4 O.D. x 1.005 I.D. x 3/16 thk.)	4
	G136-0125914	16-1	C118072	C118072	BRACKET, mounting, shock absorber to hull, front and rear	6
H-1	H001-0116249	16-1	223610		BOLT, hex-hd., s-fin., alloy-S., 7/16-20NF-2 x 1 1/4	18
H-1	H001-0719004	16-1	218582		NUT, regular, hex., s-fin., alloy-S., 7/16-20NF-2	18
H-1	H001-1518010	16-1	103322		WASHER, lock, reg., S., 7/16 in. (.453 I.D. x .767 O.D. x 1/8 thick)	18

1605—REAR AXLE SPRING SEAT, RADIUS RODS, TORQUE RODS

	G136-0125910	16-4	E5499	E5499	BRACKET, rear axle spring seat trunnion	2
H-1	H001-0116340		223737		BOLT, hex-hd., s-fin., alloy-S., 5/8-18NF-2 x 1 3/4	12
H-1	H001-0116701	16-4	224082		BOLT, hex-hd., s-fin., alloy-S., 5/8-18NF-2 x 2 1/8	14
H-1	H001-0725700	16-4	503330		NUT, safety, S. (Elastic Stop Nut type -NF) 5/8-18NF-3	26
	G136-0125940	16-3,4	D67329	D67329	BRACKET, rear axle spring seat trunnion to hull, w/BAR	1
					(Consists of:	
			D67328	D67328	1–BAR	
			D67444	D67444	2–BRACKET)	
H-1	H001-0719007	16-4	216356		NUT, regular, hex., s-fin., alloy-S., 5/8-18NF-2	12
	G136-0392311	16-4	A284864	A284864	STUD, rear axle spring seat trunnion bracket to hull bracket (S., 5/8-11NC-5 (7/8) x 2 1/16 x 5/8-18NF-3 (13/16))	12
H-1	H001-1518012	16-4	103325		WASHER, lock, reg., S., 5/8 in. (.655 I.D. x 1.0620 x 5/32 thick)	12



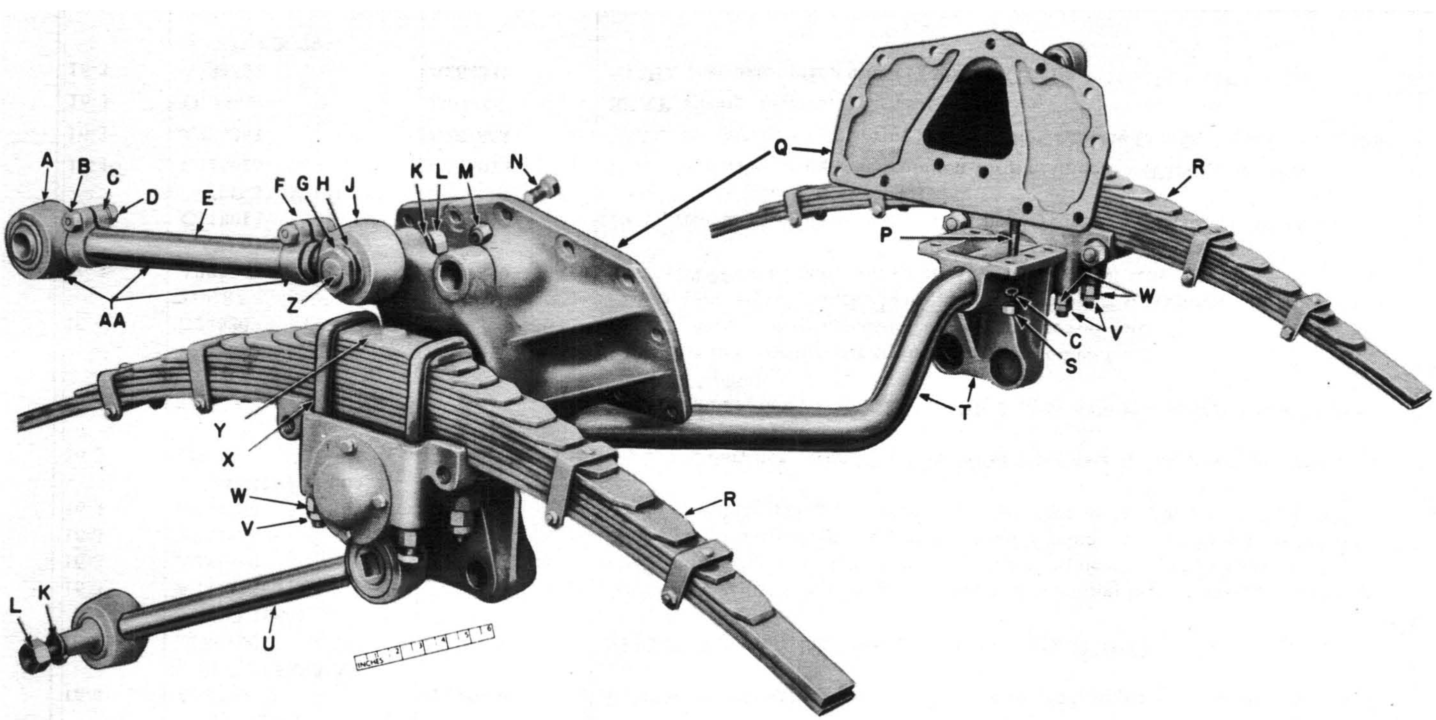
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FIGURE 16-3—REAR SPRING SEAT TRUNNION AXLE (EXPLODED)

Key	Item	Part No.	Group No.
A	COVER	A284861	1605
B	GASKET	A284333	1605
C	WASHER	A284335	1605
D	WASHER	A284334	1605
E	CUP	A284856-B	1605
F	STUD	A284332	1605
G	WASHER	103327	1605
H	NUT	218200	1605
J	SEAL, oil	A284863	1605
K	WASHER	A284862	1605
L	BRACKET, w/BAR	D67329	1605
M	RETAINER	A284859	1605
N	CONE	A284857-A	1605
P	CUP	A283277-B	1605
Q	SEAT	D67445	1605
R	FITTING	504208	1605
S	CONE	A284856-A	1605
T	NUT	A284860	1605
U	NUT	A284858	1605
V	WASHER	103321	1605
W	SCREW	193999	1605

RA PD 28553C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1605—REAR AXLE SPRING SEAT, RADIUS RODS, TORQUE RODS (Cont'd)		
H-12	H012-6125700	16-3	A284857-A (TIM-3767)	A284857	CONE, 2.0625 bore x 1.193 thk., rear axle spring seat trunnion bearing, inner, w/ROLLER, assembly	2	
H-12	H012-6121700	16-3	A284856-A (TIM-2788)	A284856	CONE, $1\frac{1}{2}$ bore x .9375 thk., rear axle spring seat trunnion bearing, outer, w/ROLLERS, assembly	2	
	G136-0140215	16-3	A284861	A284861	COVER, bogie axle bearing	2	
H-1	H001-1013030	16-3	193999		SCREW, cap, hex-hd., S., $\frac{3}{8}$-16NC-2 x $\frac{3}{4}$	8	
H-1	H001-1518009	16-3	103321		WASHER, lock, reg., S., $\frac{3}{8}$ in. (.390 I.D. x .640 O.D. x $\frac{3}{32}$ thick)	8	
H-12	H012-6211140	16-3	A283277-B	A283277	CUP, 3.6718 O.D., rear axle spring seat trunnion bearing, inner	2	
H-12	H012-6209300	16-3	A284856-B (TIM-2720)	A284856	CUP, 3.000 O.D., rear axle spring seat trunnion bearing, outer	2	
	G134-0170325	16-4	A283056-B (TP-32-SV-4-A)	A283056	END, rear axle spring seat trunnion torque, end, upper left, assembly	4	
	G134-0170320	16-4	A283056-A (TP-32-SV-3-A)	A283056	END, rear axle spring seat trunnion torque rod, upper right, assembly	4	
	G197-7008452	16-3	B289258 (AD-1980)	B289258	FITTING, lubricating, spring shackle pin ($\frac{1}{8}$-27NPT)	6	
	G136-0392318	16-3	A284333	A284333	GASKET, vellumoid, rear axle spring seat trunnion bearing cover	2	
	G136-0314839	16-3	A284860	A284860	NUT, adjusting, rear axle spring seat trunnion bearing ($1\frac{1}{2}$-12USF)	2	
	G136-0314838	16-3	A284858	A284858	NUT, jam, rear axle spring seat trunnion bearing adjusting nut ($1\frac{1}{2}$-12USF)	2	
	G134-0314705	16-4	A330164 (TD-1199-N-664)	A330164	NUT, rear axle spring seat trunnion upper torque rod pin (hex., $1\frac{1}{4}$-12NF-2)	8	
H-1	H001-0718029	16-3	218200		NUT, regular, hex., s-fin., S., $\frac{7}{8}$-14NF-2 (rear axle spring seat trunnion bracket clamp stud)	4	
H-1	H001-0718030	16-4	216353		NUT, regular, hex., s-fin., S., 1-14NF-2 (rear axle spring seat trunnion torque rod end pins)	12	
	G134-0338444		B246810	B246810	PIN, rear axle spring seat trunnion torque rod end	2	
	G136-0336166	16-4	B246809	B246809	PIN, S., rear axle spring seat trunnion torque rod end	2	
H-6	H006-0283800		219187		PLUG, pipe, sq-hd., black, $\frac{1}{8}$ in. (rear axle spring seat trunnion bearing housing)	2	
	G136-0367637	16-3	A284859 (TD-1205-Q-121)	A284859	RETAINER, felt, rear axle spring seat trunnion oil seal	2	
	G136-0373300	16-4	C118014 (TP-32-W-14)	C118014	ROD, rear axle spring seat trunnion torque, lower, w/PINS, assembly	4	
	G136-0373330	16-4	C118015	C118015	ROD, rear axle spring seat trunnion torque, upper, w/PINS, assembly	4	
	G136-0180660	16-3	A284863	A284863	SEAL, oil, felt, rear axle spring seat trunnion bearing (3 I.D. x 4 O.D. x $\frac{11}{32}$ thk.)	2	
	G136-0382890	16-3	D67445	D67445	SEAT, spring, rear	2	
	G136-0392334	16-3	A284332 (TD-4-X-294)	A284332	STUD, rear axle spring seat ($\frac{7}{8}$-9NC-5 ($1\frac{1}{8}$) x 4-$\frac{1}{8}$ x $\frac{7}{8}$-14NF-2 (1))	4	



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FIGURE 16-4—REAR AXLE SPRING SEAT TRUNNION, ASSEMBLY

Key	Item	Part No.	Group No.
A	END	A283056-B	1605
B	SCREW	215191	1605
C	WASHER	103325	1605
D	NUT	218196	1605
E	TUBE	B248696	1605
F	CLAMP	A283058	1605
G	NUT	A330164	1605
H	WASHER	A330165	1605
J	END	A283056-A	1605
K	WASHER	117661	1605
L	NUT	216353	1605
M	NUT	503330	1605
N	BOLT	224082	1605
P	STUD	A284864	1605
Q	BRACKET	E5499	1605
R	SPRING, assembly	D67451	1601
S	NUT	216356	1605
T	BRACKET, w/BAR	D67329	1605
U	ROD, assembly	C118014	1605
V	NUT	A276855	1601
W	NUT	A285074	1601
X	CLIP	B248788	1601
Y	PLATE	B248722	1601
Z	PIN	B246809	1605
AA	ROD, assembly	C118015	1605

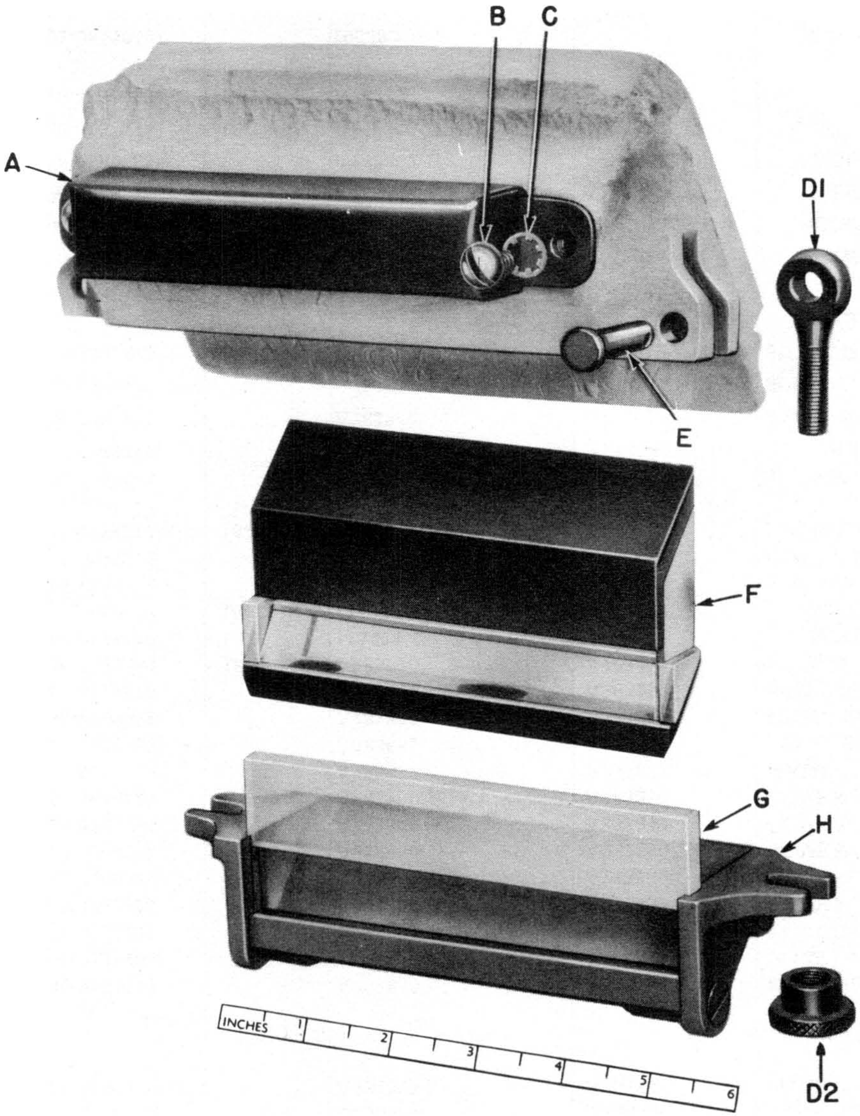
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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1605—REAR AXLE SPRING SEAT, RADIUS RODS, TORQUE RODS (Cont'd)		
	G136-0407824	16-4	B248696	B248696	TUBE, rear axle spring seat trunnion torque rod (S., 1¾ x 17¹³⁄₆₄)	4	
	G136-0137807	16-4	A283058	A283058	CLAMP, rear axle spring seat trunnion torque rod tube	8	
H-1	H001-0718027	16-4	218196		NUT, reg., hex., s-fin., S., ⅝-18NF-2	8	
H-1	H001-1013323	16-4	215191		SCREW, cap, hex-hd., S., ⅝-18NF-2 x 2¼	8	
H-1	H001-1518013	16-4	103325		WASHER, lock, reg., S., ⅝ in. (.655 I.D. x 1.062 O.D. x ⁵⁄₃₂ thick)	8	
H-1	H001-1517017	16-4	117661		WASHER, lock, lgt., S., 1 in. (1.030 I.D. x 1.655 O.D. x ³⁄₁₆ thick) (rear axle spring seat trunnion torque rod end pins)	12	
	G136-0443054	16-3	A284335	A284335	WASHER, lock, rear axle spring seat trunnion bearing adjusting nut	2	
	G136-5330165	16-4	A330165 (TD-1229-D-758)	A330165	WASHER, lock, rear axle spring seat trunnion torque rod pin nut	8	
H-1	H001-1518016	16-3	103327		WASHER, lock, reg., S., ⅞ in. (.905 I.D. x 1.437 O.D. x ³⁄₁₆ thick) (rear axle spring seat trunnion bracket clamp stud)	4	
	G136-0443020	16-3	A284862 (TD-1205-A-313)	A284862	WASHER, rear axle spring seat trunnion bearing inner oil seal (S., 2.880 I.D. x 3⅞ O.D. x .065 thk.)	2	
	G136-0443053	16-3	A284334	A284334	WASHER, thrust, rear axle spring seat trunnion	2	
					GROUP 17—FENDERS AND SHEET METAL PARTS		
					1701—FENDERS AND SAND GUARDS		
	G136-0180701		E5581-B	E5581	FENDER, front, left	1	
H-1	H001-0718002		220065		NUT, regular, hex., s-fin., S., ⁵⁄₁₆-18NC-2	14	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., ⁵⁄₁₆-18NC-2 x ¾	10	
H-1	H001-1518008		103320		WASHER, lock, reg., S., ⁵⁄₁₆ in. (.328 I.D. x .578 O.D. x ¹⁄₁₆ thick)	14	
	G136-0180700		E5581-A	E5581	FENDER, front, right	1	
H-1	H001-0718002		220065		NUT, regular, hex., s-fin., S., ⁵⁄₁₆-18NC-2	14	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., ⁵⁄₁₆-18NC-2 x ¾	14	
H-1	H001-1518008		103320		WASHER, lock, reg., S., ⁵⁄₁₆ in. (.328 I.D. x .578 O.D. x ¹⁄₁₆ thick)	14	
	G136-7007258		C119444-B	C119444	PLATE, fender, rear, left, assembly	1	
H-1	H001-0718002		220065		NUT, regular, hex., s-fin., S., ⁵⁄₁₆-18NC-2	5	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., ⁵⁄₁₆-18NC-2 x ½	8	
H-1	H001-1518008		103320		WASHER, lock, reg., S., ⁵⁄₁₆ in. (.328 I.D. x .578 O.D. x ¹⁄₁₆ thick)	8	
	G136-0340252		C119444-A	C119444	PLATE, fender, rear, right, assembly	1	
H-1	H001-0718002		220065		NUT, regular, hex., s-fin., S., ⁵⁄₁₆-18NC-2	5	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., ⁵⁄₁₆-18NC-2 x ½	8	
H-1	H001-1518008		103320		WASHER, lock, reg., S., ⁵⁄₁₆ in. (.328 I.D. x .578 O.D. x ¹⁄₁₆ thick)	8	

GROUP 17—FENDERS AND SHEET METAL PARTS

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1701—FENDERS AND SAND GUARDS (Cont'd)		
			E5590-B	E5590	SKIRT, sand, front, left	1	
H-1	H001-0718002		220065		NUT. regular, hex., s-fin., S., 5/16-18NC-2	4	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	13	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thick)	13	
			E5590-A	E5590	SKIRT, sand, front, right	1	
H-1	H001-0718002		220065		NUT, regular, hex., s-fin., S., 5/16-18NC-2	4	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	18	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thick)	13	
	G136-0386601		E5589-B	E5589	SKIRT, sand, rear, left, assembly	1	
H-1	H001-10718021		218563		NUT, regular, hex., s-fin., S., 1/4-28NF-2	15	
H-1	H001-1026533		225021		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 1/2	15	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thick)	15	
	G136-0386600		E5589-A	E5589	SKIRT, sand, rear, right, assembly	1	
H-1	H001-0718021		218563		NUT, regular, hex., s-fin., S., 1/4-28NF-2	15	
H-1	H001-1026533		225021		SCREW, machine, oval-fil-hd., S., 1/4-28NF-2 x 1/2	15	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thick)	15	
					1702—ENGINE SIDE PANS		
	G134-0124191		A276760	A276760	BOLT, wing, engine compartment, lower rear (5/16-18NC-2 x 3/4)	10	
	G136-6248803		B248803	B248803	COVER, drain, radiator	1	
	G136-0124273		A283961 (FM-22201-S2)	A283961	BOLT, hex-hd., 5/16-24NF-3 x 5/8, radiator drain cover	1	
H-1	H001-0713023		103044 (FM-34016-S2)		NUT, castle, S., 5/16-24NF-2	1	
H-1	H001-0811027		103362		PIN, cotter, split, S. (type B), 1/16 x 3/4	1	
					GROUP 18—HULL		
					1803.1—HULL EXTERIOR, DOORS, HATCHES, SEALS, LOCK, ETC.		
	G134-0107840		A284867	A284867	ANCHOR, safety chain	6	
	M008-0224010		(FM-GPW-1151289)		CHAIN, weldless, double loop, style 1, S., .091 in., ft. (commercial No. 2-9 links per ft.—430 lbs. tensile strength) (fuel tank cover (6 in. long)) (supersedes A283322)	6	
	G136-0209300		A284536	A284536	HANDLE, hull motor compartment	4	
	G136-0271843		A284539	A284539	LATCH, hull motor compartment handle	4	
	G136-0336162		A284523	A284523	PIN, driver's compartment door hinge (1/2 x 2 27/32)	4	
	G136-0336163		A284524	A284524	PIN, driver's compartment door hinge (3/8 x 2 27/32)	4	

	G136-0336161		A284515	A284515	PIN, engine compartment cover hinge ($\frac{3}{8}$ x $4\frac{9}{32}$)	4
	G136-0336226		B250087	B250087	PIN, locking, fuel tank cover, w/CHAIN	1
	G136-0373269		A284534	A284534	ROD, engine compartment cover holder	2
	G136-0373272		B250089	B250089	ROD, engine compartment cover holder, w/BRACKET, assembly	2
	G136-0448000		A284528	A284528	SHAFT, drivers compartment door arm	2
					1803.2—PROTECTOSCOPE	
	G136-0124275		A283858	A283858	BOLT, direct vision slot door (S., $\frac{3}{8}$-24NF-2 x $\frac{15}{32}$)	8
H-1	H001-0126265		426031		BOLT, oval-hd., alloy-S., $\frac{3}{8}$-24NF-2 x $1\frac{1}{2}$ (direct vision slot door covers)	4
	G136-0140227		A283859-B	A283859	COVER, direct vision slot, left side	1
	G136-0140226		A283859-A	A283859	COVER, direct vision slot, right side	1
	G136-0140223		A283849-B	A283849	COVER, direct vision slot, inside, left	2
	G136-0140228		A283850-B	A283850	COVER, direct vision slot, outside, left	2
	G136-0140222		A283849-A	A283849	COVER, direct vision slot, inside, right	2
	G136-0140224		A283850-A	A283850	COVER, direct vision slot, outside, right	2
	G136-0209302		A283857	A283857	HANDLE, direct vision slot lever	4
	G136-0276552		A283851	A283851	LINK, direct vision slot door, long	4
	G136-0276551		A283847	A283847	LINK, direct vision slot door, short	4
	G136-0314876		A283852	A283852	NUT, direct vision door and link bolt (3.8-24NF-2)	16
	G136-0333689	18-1	A283810	A283810	PAD, protectoscope	2
H-1	H001-1028118	18-1	113974		SCREW, rd-hd., $\frac{1}{4}$-20NC-2 x $\frac{3}{8}$	4
H-1	H001-1519003	18-1	116042		WASHER, lock, tooth type No. 4, protectoscope pad	4
	G136-0336153		A283861	A283861	PIN, direct vision slot lever	4
H-1	H001-0829583		505485		PIN, straight, drill rod, .125 x $\frac{5}{8}$ (drivers compartment door)	4
	G136-6183012	18-1	B183012 (TH-1472-B)	B183012	PRIZM, protectoscope	2
H-1	H001-1023134		113989		SCREW, machine, flt-hd., S., $\frac{1}{4}$-20NC-2 x $\frac{5}{8}$ (protectoscope support)	8
	G136-0389416		A283860	A283860	SPACER, direct vision slot door, long (S., $\frac{3}{8}$ I.D. x $\frac{9}{16}$ O.D. x .80)	4
	G136-0389417		A283862	A283862	SPACER, direct vision slot door, short (S., $\frac{3}{8}$ I.D. x $\frac{9}{16}$ O.D. x .420)	4
	G136-0389830		A283853	A283753	SPRING, direct vision slot lever	4
	G136-0392773	18-1	A283812	A283812	SUPPORT, protectoscope, assembly	2
					(Consists of:	
	G136-0124071		A283806	A283806	2–BODY, support	
	G136-5212934		A212934	A212934	2–GLASS, protectoscope	
H-1	H001-1023134		113989		8–SCREW, flt-hd., mach., $\frac{1}{4}$-20NC-2 x $\frac{5}{8}$	
	G176-0688286		A283807-A	A283807	2–SUPPORT, side member, R.H.	
	G176-0688285		A283807-B	A283807	2–SUPPORT, side member, L.H.)	
	G136-0124274	18-1	A283813	A283813	BOLT, eye, protectoscope body	4
	G136-0336158	18-1	A283814 (FM-73918-S)	A283814	PIN, protectoscope body eye bolt (.307 x $1\frac{1}{8}$)	4
H-1	H001-0811049		103383		PIN, cotter, split, S. (type B) $\frac{1}{8}$ x $\frac{1}{2}$ (protectoscope body eye bolt pin)	4
	G136-5212934	18-1	A212934	A212934	WINDOW, protectoscope (plastic)	2



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FIGURE 18-1—PROTECTOSCOPE (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	PAD	A283810	1803.2
B	SCREW	113974	1803.2
C	WASHER	116042	1803.2
D	BOLT, eye w/NUT	A283813	1803.2
E	PIN	A283814	1803.2
F	PRISM	B183012	1803.2
G	WINDOW	A212934	1803.2
H	SUPPORT, assembly	A283812	1803.2

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1806—SEATS		
	G136-0382952		C119424	C119424	BACK, assistant driver's seat, w/HINGE, assembly	1	
H-1	H001-0822067		505101		PIN, headless, S., 7/16 diam. x 2.18 clear	1	
H-1	H001-0811039		103576		PIN, cotter, split, S. (type B), 3/32 x 3/4	2	
	G136-0116017		B250085	B250085	BASE, assistant driver's seat	1	
H-1	H001-1013017		216920		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 3/4	4	
H-1	H001-1519010		115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	4	
	G136-0124263		A284595	A284595	BOLT, striker, assistant driver's seat	1	
	G136-0125957		B250115	B250115	BRACKET, driver's seat water can	1	
H-1	H001-0718001		220064		NUT, regular, hex., s-fin., S., 1/4-20NC-2	3	
H-1	H001-1030134		113955		SCREW, machine, rd-hd., S., 1/4-20NC-2 x 1/2	3	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thick)	3	
	G136-0143616		D67497	D67497	CUSHION, seat	2	
	G136-0143615		C119452	C119452	CUSHION, seat back	2	
	G136-0274341		B250107	B250107	LEVER, assistant driver's seat back, w/PIN, assembly	1	
H-1	H001-0829605		505493		PIN, straight, drill rod, .125 x 1 1/8 (assistant driver's seat latch)	1	
	G136-0382953		D67472	D67472	SEAT, driver's, assembly (M-8 only) (for attaching parts see SEAT, driver's, assembly for M-20)	1	
	G136-6567447		D67447	D67447	SEAT, driver's, assembly (M-20 only)	1	
H-1	H001-1030136		113957		SCREW, machine, rd-hd., S., 1/4-20NC-2 x 3/4	8	
H-1	H001-1518007		103319		WASHER, lock, reg., S., 1/4 in. (.265 I.D. x .453 O.D. x 1/16 thick)	8	
H-1	H001-1531002		106261		WASHER, plain, S., SAE, std., 1/4 in. (5/16 in. I.D. x 3/4 in. O.D. x 1/16 in. thick)	3	
	G136-0389838		A284597	A284597	SPRING, latch, assistant driver's seat	1	
					1808—STOWAGE RACKS		
	G104-6580064		D80064	D80064	BAG, empty cartridge (50 cal. machine gun)	1	
	G147-5653331		C153331	C153331	BAG, empty cartridge (50 cal. machine gun) (replaced by D80064, G104-6580064, BAG)	1	
	G136-0124272		A222846	A222846	BOLT, carriage, 37-mm ammunition rack clip (1/4-20NC-2 x 3/4)	22	
	G136-0137993		A284804	A284804	CLIP, 37-mm ammunition rack	12	
	G136-0137995		A283391	A283391	CLIP, 37-mm ammunition rack	12	
	G136-0137994		B183508	B183508	CLIP, 37-mm ammunition rack clip	12	
	G136-0137996		A284068	A284068	CLIP, 37-mm ammunition rack, single	10	
	G136-0137992		A284069	A284069	CLIP, 37-mm ammunition rack, single	10	
	G104-1671676		B183616-B	B183616	LATCH, stowage box, assembly	7	
H-1	H001-0721002		105605		NUT, regular, sq., unfin., S., 5/16 18NC-2 (ammunition rack support bolt) (M-8 only)	12	
H-1	H001-0725480		503266		NUT, safety, S. (elastic stop nut type-NC) 1/4-20NC-3, 37-mm ammunition rack clip bolt (M-8 only)	22	

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1808—STOWAGE RACKS (Cont'd)		
H-1	H001-1013018		216959		SCREW, cap, hex-hd., S., 5/16-18NC-2 x 7/8 (ammunition rack support)	12	
	G136-0392140		B183509	B183509	STOP, 37-mm ammunition rack clip, doubles	10	
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thick) (ammunition rack to support bolt)	12	
H-1	H001-1531002		106261		WASHER, plain, S., U.S. std., 1/4 in. (5/16 I.D. x 3/4 O.D. x 1/16 thick) (37-mm ammunition rack clip bolt)	22	
					GROUP 19—TURRET		
					1901.1—TURRET ROLLERS		
H-12	H012-0700234	19-7	A143699 (MRC-D2-18138) (MRC-410-MFF-1)	A143699	BEARING, ball, turret support roller bearing shaft	3	
	G103-1518055	19-8	A312503	A312503	BEARING, turret hold-down roller housing (use on both types hand traversing mechanism)	8	
	G136-0314878	19-8	A283926	A283926	NUT, turret hold-down roller shaft (hex., marsden, 1/2-20NF-2)	8	
	G136-0369929	19-8	A283759	A283759	SNAP RING, retainer, turret hold-down roller	8	
	G136-0384665	19-8	A283762	A283762	SHAFT, turret hold-down roller	8	
	G136-0443070	19-8	A283760	A283760	WASHER, turret hold-down shaft	8	
	~~G136-0443071~~	19-8	A283764	A283764	WASHER, turret hold-down roller retainer (S., .634 I.D. x 1.13 O.D. x .093 thk.)	8	
H-1	H001-0718023		218565		NUT, regular, hex., s-fin., S., 3/8-24NF-2 (turret ring gear to hull top plate)	23	
H-1	H001-0717008	19-7	B19444-BH	B19444	NUT, turret support roller bearing shaft (hex., S., 3/4-16NF-2 x 7/16 thk.) (use on M-8 even numbers above 2686; odd numbers above 1025)	3	
H-1	H001-0811054		103387		PIN, cotter, split, S., 1/8 x 1 1/2 (turret support roller bearing shaft)	3	
	G136-0217650	19-8	B248698	B248698	ROLLER, hold-down, turret, assembly (use on M-8 even numbers above 2686; odd numbers above 1025)	8	
H-1	H001-0116285	19-8	223632		BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 2 3/4	16	
H-1	H001-0116287	19-8	223634		BOLT, hex-hd., s-fin., alloy-S., 1/2-20NF-2 x 3 1/4	16	
H-1	H001-0716005	19-8	218571		NUT, reg., hex., s-fin., S., 1/2-20NF-2	32	
H-1	H001-1518011	19-8	103323		WASHER, lock, reg., S., 1/2 in. (.515 I.D. x .859 O.D. x 1/8 thick)	32	
	G103-1518056	19-8	A312504	A312504	ROLLER, retaining, horizontal, turret	8	
	G136-0336152	19-8	A283761	A283761	PIN, retaining, horizontal, turret roller	8	
H-1	H001-1013246		215993		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1 1/4 (turret ring gear to hull top plate)	7	
H-1	H001-1013248		216794		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1 3/4 (turret ring gear to hull top plate)	16	
	G136-5284351		A284351 (FM-35003-S)	A284351	SCREW, turret hold-down roller cover (S., rd-hd., 5/16-18 x 1/2)	32	

	G136-0392770	19-7	B248699	B248699	SUPPORT, turret, w/BEARING and BRACKET, assembly	3
H-1	H001-0725854	19-7	503388		NUT, safety, S., ½-20NF-2	12
	G136-0382099	19-7	A283929	A283929	SCREW, mounting, turret support roller (cap, fil-hd., ½-20NF-2 x 1¾)	12
H-1	H001-1518008		103320		WASHER, lock, reg., S., 5/16 in. (.328 I.D. x .578 O.D. x 1/16 thick)	32

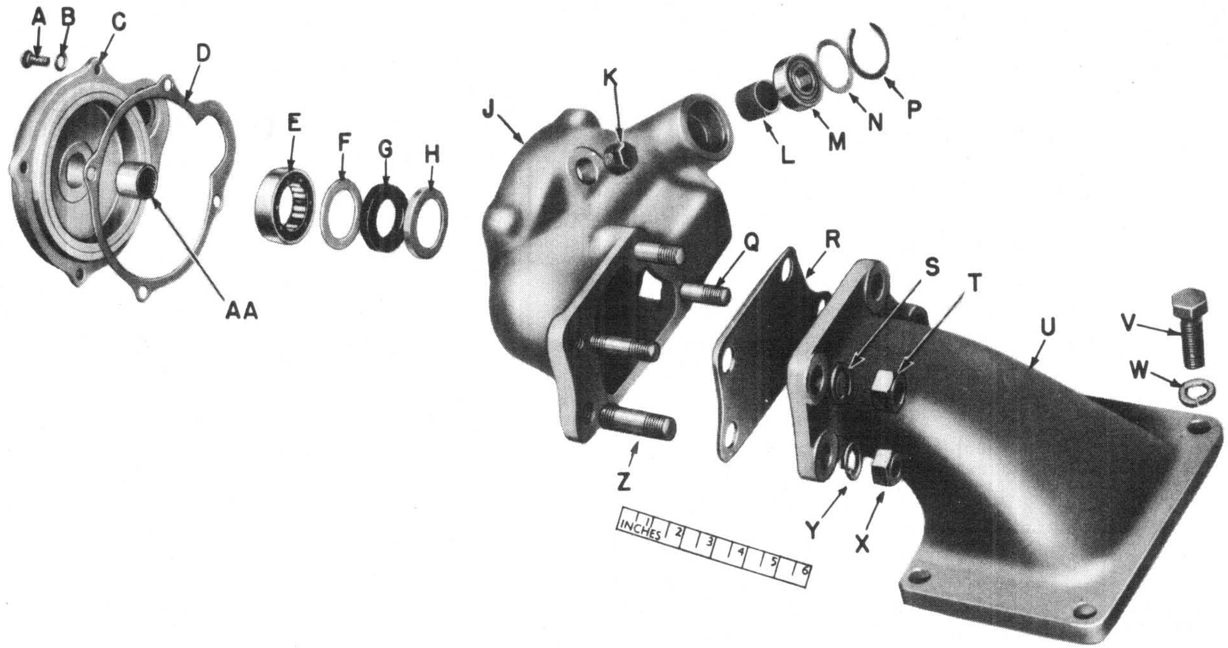
1901.3—TURRET SEATS

	G103-1543506		B225812	B225812	BACK, turret seat, assembly (M-8 only)	2
	G136-0271842		B225846	B225846	LATCH, turret seat lever	2
	G136-0274289		B225814	B225814	LEVER, turret seat latch	2
H-1	H001-1013284		216031		SCREW, cap, hex-hd., S., ½-20NF-2 x 1¼ (turret hand traversing mechanism and seat rear support) (use on M-8 even numbers above 2686 and odd numbers above 1025)	8
H-1	H001-1013285		216833		SCREW, cap, hex-hd., S., ½-20NF-2 x 1½ (turret seat front support)	2
	G103-1543508		B225811	B225811	SEAT, turret, assembly (M-8 only)	2
H-1	H001-1013285		216833		SCREW, cap, hex-hd., S., ½-20NF-2 x 1½ (turret seat front support)	2
	G103-1543508		B225811	B225811	SEAT, turret, assembly (M-8 only)	2
	G136-0389803		B225841	B225841	SPRING, turret seat lever latch	2
	G136-0389806		B248793	B248793	SPRING, turret seat post	2

1905.1—TURRET HAND TRAVERSING MECHANISM

(First type used on M-8 even numbers through 2686 and odd numbers through 1025)

	G136-0115994	19-2	A283651	A283651	BAR, snubber, traverse gear	1
H-12	H012-1323015	19-1	A284409 (ND-77502)	A284409	BEARING, ball, turret hand traversing mechanism handwheel shaft (.5906 bore x 1.378 O.D. x .4331 width) (used on M-8 even numbers through 2686; odd numbers through 1025)	1
H-12	H012-0709446	19-4	A283765 (TR-M-12121)	A283765	BEARING, needle, ¾ bore x 1 O.D. x ¾ long (traversing gear pinion shaft)	1
H-12	H012-0707608	19-1	A283726 (HY-1205-TS)	A283726	BEARING, roller, 1.267 bore x 2.0472 O.D. x .59 thk (turret pinion shaft)	1
	G136-0125918	19-1	C118012	C118012	BRACKET, turret hand traversing mechanism housing	1
	G136-0128030	19-1	A283700	A283700	BUSHING, turret hand traversing mechanism housing (used on M-8 even numbers through 2686; odd numbers through 1025) (deleted 10-8-43)	1
	G136-0128050	19-2	A283669	A283669	BUTTON, turret hand traversing mechanism handwheel	1
	G136-0140230	19-1	C118011	C118011	COVER, turret hand traversing mechanism housing, assembly	1
					(Includes:	
H-12	H012-0709446		A283765	A283765	1–BEARING, needle	
	G136-0369927		A283663	A283663	1–RING)	
H-1	H001-1030149	19-1	113860		SCREW, machine, rd-hd., S., 5/16-18NC-2 x ⅝	4
H-1	H001-1519010	19-1	115548		WASHER, lock, internal teeth, reg., S., 5/16 in.	4
	G136-0194075	19-1	B248683	B248683	GASKET, cover, turret hand traversing mechanism	1
	G136-0196017	19-2,4	B248684	B248684	GEAR, 56 teeth, turret hand traversing mechanism pinion shaft	1



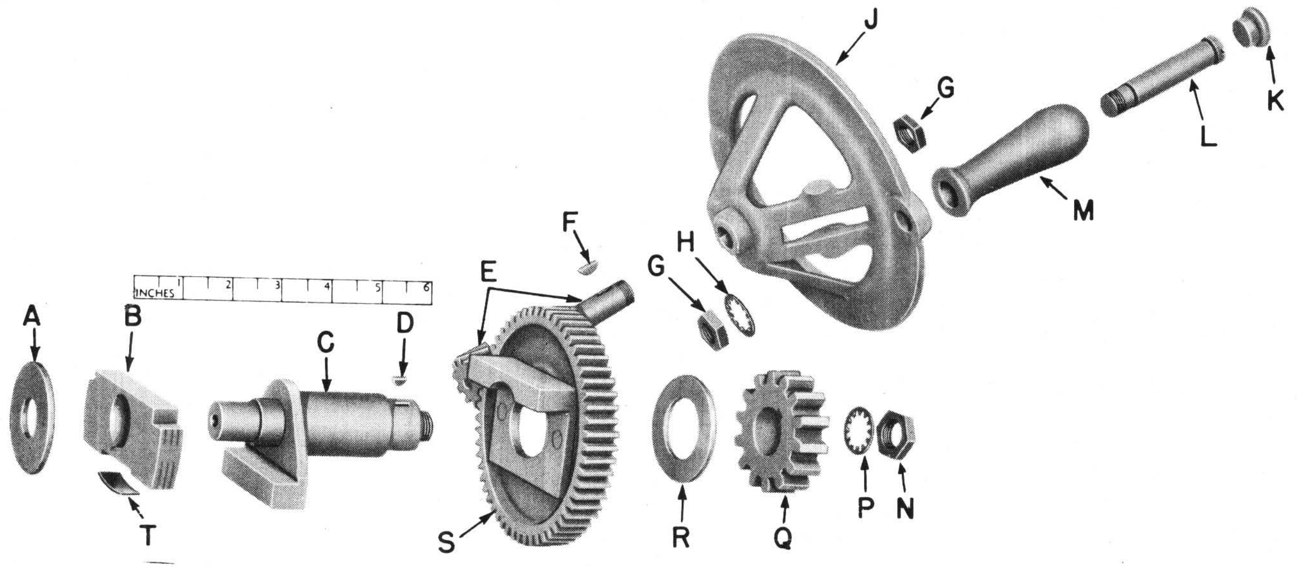
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FIGURE 19-1—TURRET TRAVERSING MECHANISM HOUSING (FIRST TYPE)

Key	Item	Part No.	Group No.
A	SCREW	113860	1905.1
B	WASHER	155548	1905.1
C	COVER	C118011	1905.1
D	GASKET	B248683	1905.1
E	BEARING	A283726	1905.1
F	WASHER	A283709	1905.1
G	SEAL	A283658	1905.1
H	RETAINER	A283702	1905.1
J	HOUSING	D67326	1905.1
K	PLUG	A283751	1905.1
L	BUSHING	A283700	1905.1
M	BEARING	A284409	1905.1
N	SHIM	A283662-A	1905.1
	SHIM	A283662-B	1905.1
	SHIM	A283662-C	1905.1
N Cont'd	SHIM	A283662-D	1905.1
	SHIM	A283662-E	
P	SNAP RING	A283701	1905.1
Q	STUD	A283703	1905.1
R	SPACER	B249008	1905.1
S	WASHER	103322	1905.1
T	NUT	218570	1905.1
U	BRACKET	C118012	1905.1
V	SCREW	216833	1905.1
W	WASHER	103323	1905.1
X	NUT	218195	1905.1
Y	WASHER	103324	1905.1
Z	STUD	A283704	1905.1
AA	BEARING	A283765	1905.1

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(First Type used on M-8 even numbers through 2686 and odd numbers through 1025.)		
	G136-0209301	19-2	A283668	A283668	HANDLE, turret hand traversing mechanism handwheel (use on M-8 even numbers through 2686; odd numbers through 1025)	1	
H-1	H001-0716026	19-2	219737		NUT, jam, hex., s-fin., S., 9/16-18NF-2	1	
	G136-0392325	19-2	A283670	A283670	STUD, turret hand traversing mechanism handwheel handle	1	
H-1	H001-1519014	19-2	115552		WASHER, lock, internal teeth, reg., S., 9/16 in.	1	
	G136-0446892	19-2	C118335	C118335	HANDWHEEL, turret hand traversing mechanism	1	
H-1	H001-0518010	19-2	124543		KEY, Woodruff, ni-S., 1/8 x 1/2 (No. 404)	1	
H-1	H001-0716026	19-2	219737		NUT, jam, hex., s-fin., S., 9/16-18NF-2	1	
	G136-0217874	19-1	D67326	D67326	HOUSING, turret hand traversing mechanism handwheel	1	
H-1	H001-0718024	19-1	218570		NUT, regular, hex., hex., s-fin., S., 7/16-20NF-2	3	
H-1	H001-0718026	19-1	218195		NUT, regular, hex., s-fin., S., 9/16-18NF-2	1	
	G136-0392329	19-1,6	A283704	A283704	STUD, traversing mechanism housing to bracket (S., 9/16-12NC-5 x 1/2 x 1 3/4 x 9/16-18NC-3 (.66))	1	
	G136-5618044	19-8	C118044	C118044	HOUSING, turret hold-down roller	1	
	G103-0302080	19-7	C64653	C64653	HOUSING, turret support roller	1	
	G136-0289447		D67325	D67325	MECHANISM, turret hand traversing, assembly	1	
H-1	H001-1013285	19-1	216833		SCREW, cap, hex-hd., S., 1/2-20NF-2 x 1 1/2	4	
H-1	H001-1518011	19-1	103323		WASHER, lock, reg., S., 1/2 in. (.515 I.D. x .859 O.D. x 1/8 thick)	4	
	G136-0336161		A283714	A283714	PIN, drill rod, turret hand traversing mechanism (.374-.375 O.D. x .64, dowel)	2	
	G136-0336304	19-2	A283657	A283657	PINION, turret hand traversing mechanism gear	1	
	G136-0258755	19-2	A283712	A283712	KEY, turret hand traversing mechanism pinion (7/8 x 1/4)	1	
	G136-0314872	19-2	A283706	A283706	NUT, jam, turret hand traversing mechanism pinion (S., hex., 5/8-18)	1	
	G136-0443064	19-2	A283707	A283707	WASHER, turret hand traversing mechanism pinion (.66 I.D. x 1.112 O.D. x .060/.070)	1	
	G136-0340212		A283716	A283716	PLATE, turret hand traversing mechanism	1	
	G136-5283751	19-1	A283751	A283751	PLUG, filler, oil, turret hand traversing mechanism gear (hex-hd., 3/4-20NS-2)	1	
	G136-0382811	19-1	A283702	A283702	RETAINER, turret hand traversing mechanism dust seal	1	
	G136-0382808	19-1	A283658	A283658	SEAL, dust, turret hand traversing mechanism gear (felt, 1.18 I.D. x 1.88 O.D. x .25)	1	
	G136-0384770	19-2	A283659	A283659	SHAFT, turret hand traversing mechanism gear, w/PLATE, assembly	1	
	G136-0384667	19-2	A283667	A283667	SHAFT, turret hand traversing mechanism handwheel, w/GEAR	1	
	G038-0169960	19-7	B141909	B141909	SHAFT, turret support bearing	3	
	G136-0385017	19-1	A283662-E	A283662	SHIM, adjusting, turret hand traversing mechanism handwheel bearing (.005 thick)	A.R.	
	G136-0385016	19-1	A283662-D	A283662	SHIM, adjusting, turret hand traversing mechanism handwheel bearing (.006 thick)	A.R.	



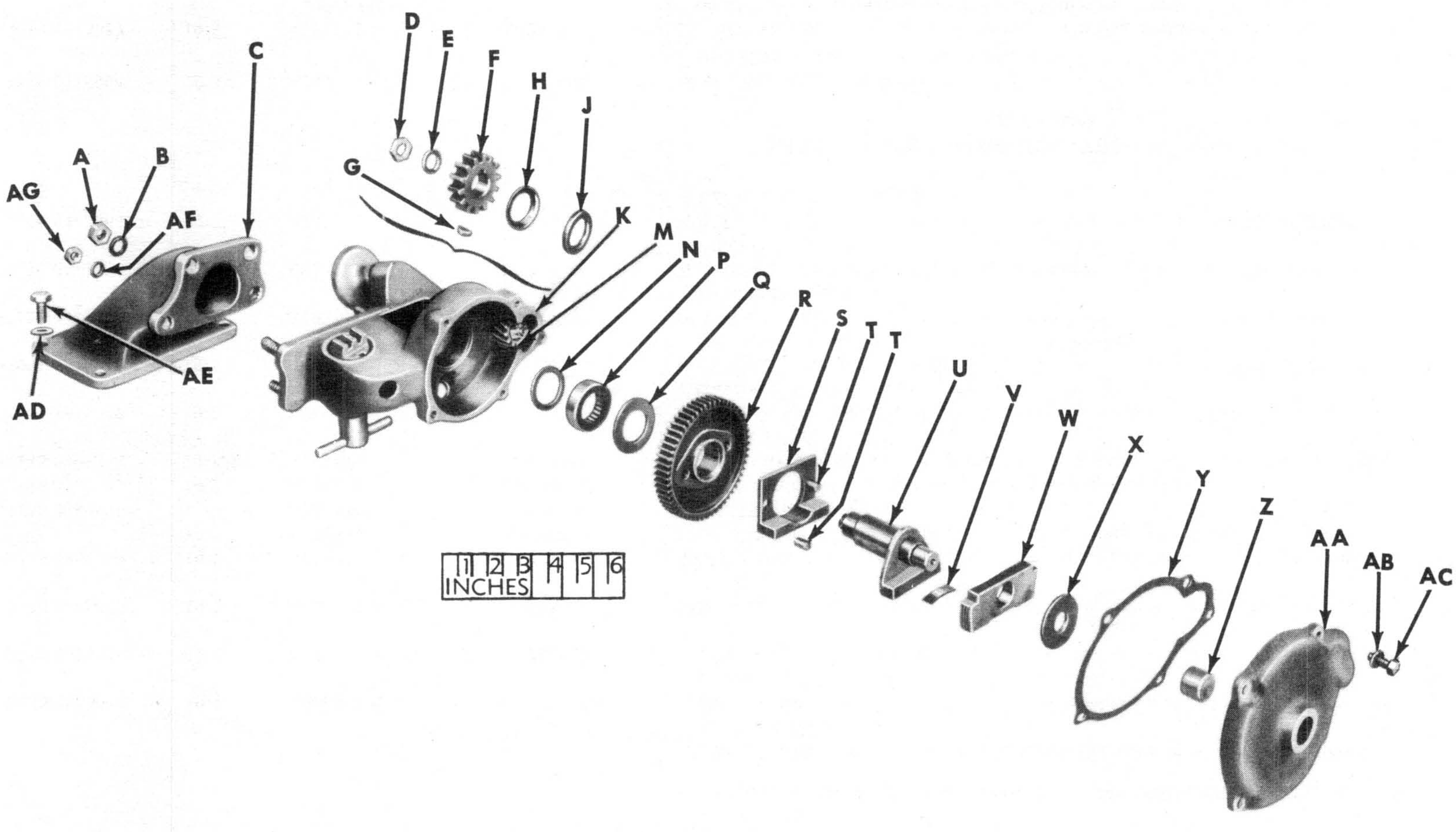
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FIGURE 19-2—TURRET TRAVERSING MECHANISM GEARS AND SHAFTS (FIRST TYPE)

Key	Item	Part No.	Group No.
A	WASHER	A283713	1905.1
B	BAR	A283651	1905.1
C	SHAFT, w/PLATE	A283659	1905.1
D	KEY	A283712	1905.1
E	SHAFT, w/GEAR	A283667	1905.1
F	KEY	124543	1905.1
G	NUT	219737	1905.1
H	WASHER	115552	1905.1
J	HANDWHEEL	C118335	1905.1
K	BUTTON	A283669	1905.1
L	STUD	A283670	1905.1
M	HANDLE	A283668	1905.1
N	NUT	A283706	1905.1
P	WASHER	A283707	1905.1
Q	PINION	A283657	1905.1
R	WASHER	A283708	1905.1
S	GEAR	B248684	1905.1
T	SPRING	A283650	1905.1

RA PD 28563C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(First type used on M-8 even numbers through 2686 and odd numbers through 1025.)		
	G136-0385015	19-1	A283662-C	A283662	SHIM, adjusting, turret hand traversing mechanism handwheel bearing (.007 thick)	A.R.	
	G136-0385014	19-1	A283662-B	A283662	SHIM, adjusting, turret hand traversing mechanism handwheel bearing (.010 thick)	A.R.	
	G136-0385013	19-1	A283662-A	A283662	SHIM, adjusting, turret hand traversing mechanism handwheel bearing (.040 thick)	A.R.	
	G136-0369908	19-1	A283701	A283701	SNAP RING, retaining, turret hand traversing mechanism handwheel bearing	1	
		19-1	B249008	B249008	SPACER, turret hand traversing mechanism housing to mounting bracket	1	
	G136-0389401		A284525	A284525	SPACER, turret support roller (S., 5/16)	3	
	G136-0389823	19-2	A283650	A283650	SPRING, turret hand traversing mechanism snubber bar	1	
	G136-0392328	19-1,6	A283703	A283703	STUD, turret hand traversing mechanism housing to bracket (S., 7/16-14NC-2 (15/32) x 1 11/16 x 7/16-20NF-2 (41/64))	3	
H-1	H001-1518012	19-1	103324		WASHER, lock, reg., S., 9/16 in. (.593 I.D. x .968 O.D. x 1/8 thick) (turret hand traversing mechanism gear housing to bracket)	1	
H-1	H001-1518010	19-1	103322		WASHER, lock, reg., S., 7/16 in. (.453 I.D. x .767 O.D. x 1/8 thick) (turret hand traversing mechanism gear housing to bracket)	3	
	G136-0443066	19-1	A283709	A283709	WASHER, turret hand traversing mechanism dust seal (1.30 I.D. x 1.865/1.870 O.D. x .030/.040)	1	
	G136-0443068	19-2	A283713	A283713	WASHER, turret hand traversing mechanism snubber bar (.755/.760 I.D. x 2.0 O.D. x .057/.055)	1	
	G136-0443065	19-2	A283708	A283708	WASHER, turret hand traversing mechanism pinion bearing stop (1.270/1.275 I.D. x 2.25 O.D. x .093/.094)	1	
					1905.1—TURRET HAND TRAVERSING MECHANISM (2nd Type)		
	G136-0115994	19-3,4	A283651	A283651	BAR, snubber, turret hand traversing mechanism gear shift (used on first and second type hand traversing mechanism)	1	
H-12	H012-1313017	19-5	A284348 (ND-7503)	A284348	BEARING, ball, turret hand traversing mechanism handwheel shaft shield (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-12	H012-0709446	19-1,3,4	A283765 (TR-M-12121)	A283765	BEARING, needle, turret hand traversing mechanism pinion, short (used on first and second hand traversing mechanism)	1	
H-12	H012-0707608	19-3,4	A283726 (BOW-RS-1205)	A283726	BEARING, roller, turret hand traversing mechanism pinion shaft (1.267 bore x 2.0472 O.D. x .59 thk.) (used on first and second type hand traversing mechanism)	1	
	G136-0125918	19-4	C118012	C118012	BRACKET, turret hand traversing mechanism housing	1	



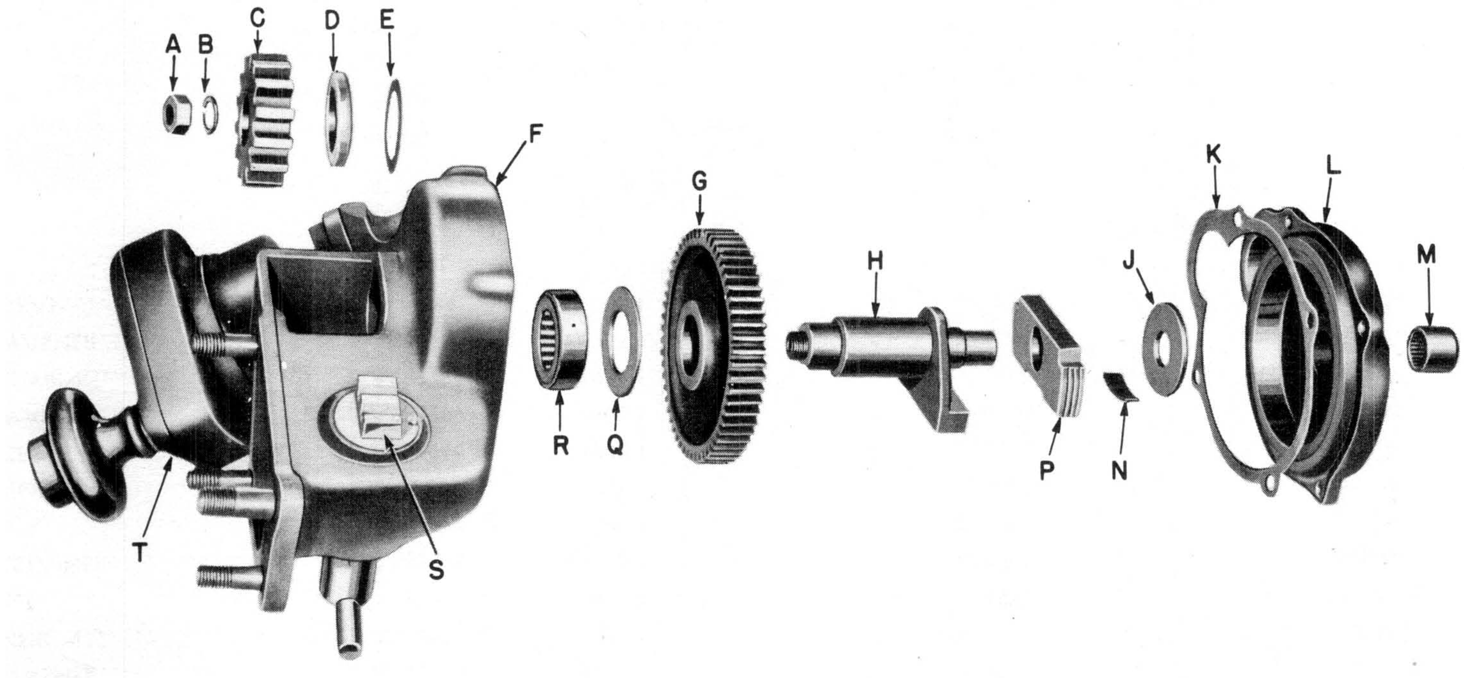
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FIGURE 19-3—TURRET TRAVERSING MECHANISM W/GEARS AND HOUSING (SECOND TYPE)

FIGURE 19-3—TURRET TRAVERSING MECHANISM W/GEARS AND HOUSING (SECOND TYPE)

Key	*Item*	*Part No.*	*Group No.*
A	NUT	218570	1905.1
B	WASHER, lock	103322	1905.1
C	BRACKET	C118012	1905.1
D	NUT	A283706	1905.1
E	WASHER	A283707	1905.1
F	PINION	A283657	1905.1
G	KEY	A283712	1905.1
H	RETAINER	A283702	1905.1
J	SEAL	A283658	1905.1
K	HOUSING	D67508	1905.1
M	GEAR	A284096	1905.1
N	WASHER	A283709	1905.1
P	BEARING	A283726	1905.1
Q	WASHER	A283708	1905.1
R	GEAR	B248684	1905.1
S	PLATE	A283716	1905.1
T	PIN, dowel	A283714	1905.1
U	SHAFT, w/PLATE	A283659	1905.1
V	SPRING	A283650	1905.1
W	BAR	A283651	1905.1
X	RING	A283663	1905.1
Y	GASKET	B249012	1905.1
Z	BEARING	A283765	1905.1
AA	COVER	C118201	1905.1
AB	WASHER	115548	1905.1
AC	SCREW	113860	1905.1
AD	WASHER	103323	1905.1
AE	SCREW	216833	1905.1
AF	WASHER	103324	1905.1
AG	NUT	218195	1905.1

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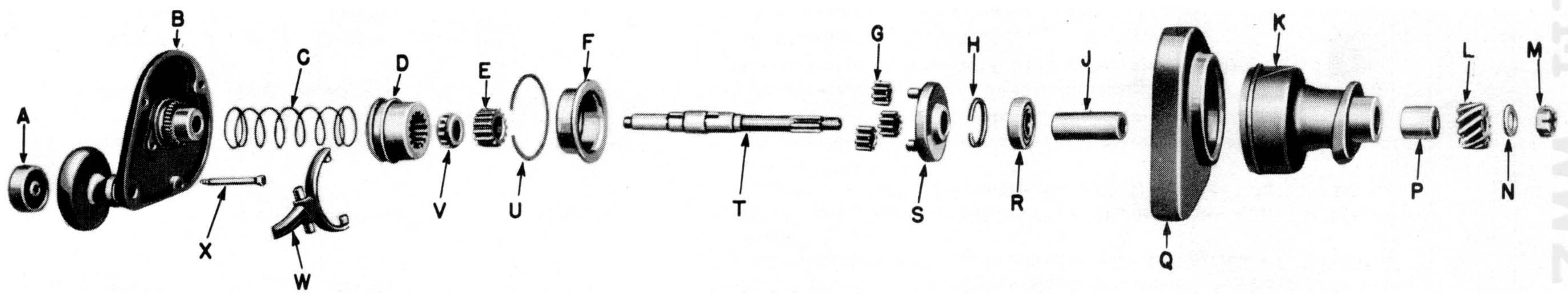


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FIGURE 19-4—TURRET TRAVERSING MECHANISM DRIVE GEARS AND HOUSING (SECOND TYPE)

Key	Item	Part No.	Group No.
A	NUT	A283706	1905.1
B	WASHER	A283707	1905.1
C	PINION	A283657	1905.1
D	SEAL	A283658	1905.1
E	WASHER	A283709	1905.1
F	HOUSING	D67407	1905.1
G	GEAR	B248684	1905.1
H	SHAFT, w/PLATE	A283659	1905.1
J	WASHER	A283713	1905.1
K	GASKET	B248683	1905.1
L	COVER	C118011	1905.1
M	BEARING	A283765	1905.1
N	SPRING	A283650	1905.1
P	BAR	A283651	1905.1
Q	WASHER	A283708	1905.1
R	BEARING	A283726	1905.1
S	LOCK (See Figure 19-6)		
T	HANDWHEEL (See Figure 19-5)		

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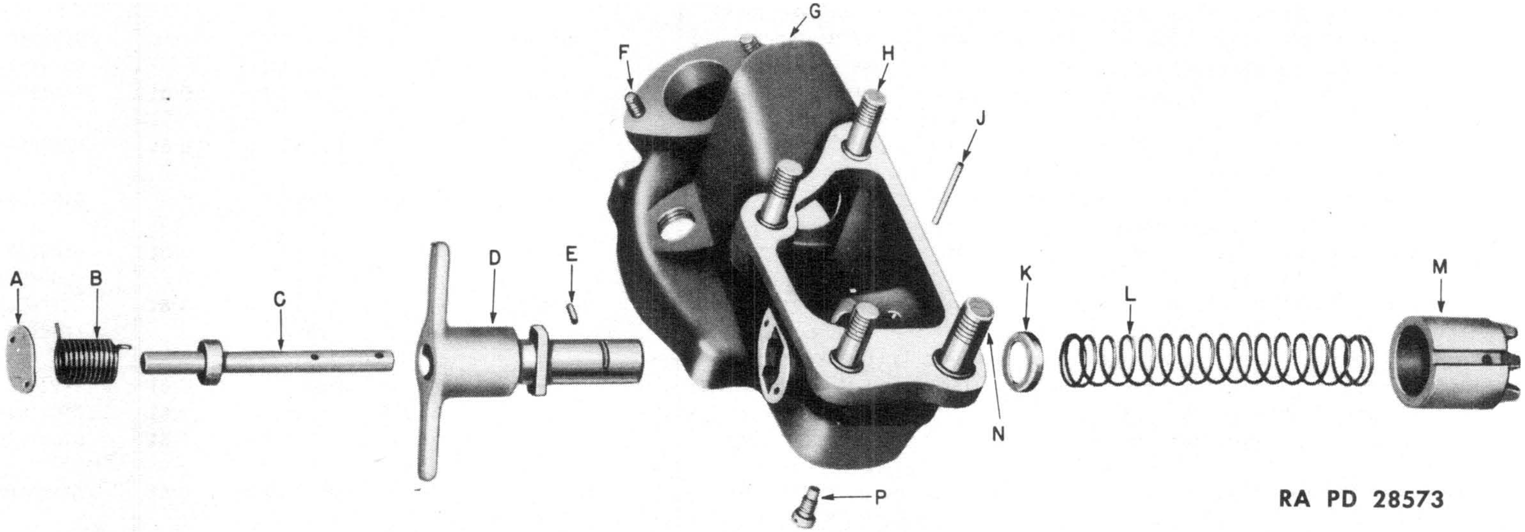
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FIGURE 19-5—TURRET TRAVERSING MECHANISM HAND WHEEL AND GEAR SHIFT (SECOND TYPE) (EXPLODED)

Key	Item	Part No.	Group No.
A	BUTTON	A284304	1905.1
B	HANDWHEEL, assembly	B248943	1905.1
C	SPRING	A284105	1905.1
D	SLEEVE	B248881	1905.1
E	GEAR	A284100	1905.1
F	RETAINER	B248882	1905.1
G	GEAR, planetary	A284099	1905.1
H	SNAP RING	A284111	1905.1
J	SPACER	A284097	1905.1
K	HOUSING	B248883	1905.1
L	GEAR	A284096	1905.1
M	NUT	103046	1905.1
N	WASHER, plain	103342	1905.1
P	BUSHING	A284221	1905.1
Q	COVER	B248880	1905.1
R	BEARING	A284348	1905.1
S	FLANGE	A284303	1905.1
T	SHAFT	B248884	1905.1
U	SNAP RING	A284104	1905.1
V	HUB	A284102	1905.1
W	FORK	A248108	1905.1
X	PIN	A284107	1905.1

RA PD 28572C

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(Second Type)		
	G136-0228038	19-5	A284221	A284221	BUSHING, turret hand traversing mechanism housing (bz., .875 I.D. x 1.004 O.D. x 1) (used on even numbers M-8 above 2686; odd numbers above 1025)	1	
	G136-0140290	19-5	B248880	B248880	COVER, turret hand traversing mechanism handwheel housing (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H001-1026127		114356		SCREW, machine, oval-fil-hd., S., $\frac{1}{4}$-20NC-2 x $\frac{7}{8}$	3	
H-1	H001-1519009		115547		WASHER, lock, internal teeth, reg., S., $\frac{1}{4}$	3	
	G136-0140230	19-3	C118011	C118011	COVER, turret hand traversing mechanism housing, lower (replaced by COVER, C118201)	1	
		19-4	C118201	C118201	COVER, turret hand traversing mechanism housing, lower (replaced COVER, C118011, G136-0140230)	1	
H-1	H001-1030149	19-4	113860		SCREW, machine, rd-hd., S., $\frac{5}{16}$-18NC-2 x $\frac{5}{8}$	5	
H-1	H001-1519010	19-4	115548		WASHER, lock, internal teeth, reg., S., $\frac{5}{16}$ in.	5	
	G133-0140003	19-6	A232081	A232081	COVER, turret lock handle	1	
	G136-5284303	19-5	A284303	A284303	FLANGE, turret hand traversing planetary gear mechanism, w/PINS	1	
	G136-0184605	19-5	A284304	A284304	FLANGE, turret hand traversing mechanism handhweel handle (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0336160	19-5	A284107	A284107	PIN, turret hand traversing mechanism handwheel lever flange (S., $\frac{1}{4}$-20NC-2 x $2\frac{1}{4}$)	1	
	G136-0186815	19-5	A284108	A284108	FORK, shifter, turret hand traversing mechanism (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-5284508		A284508	A284508	GASKET, turret hand traversing mechanism handwheel housing (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0194075	19-3	B248683	B248683	GASKET, cover, turret hand traversing mechanism housing (used on M-8 even numbers through 2686; odd numbers through 1025) (replaced by GASKET, B249012)	1	
		19-4	B249012	B249012	GASKET, cover, turret hand traversing mechanism housing (used on M-8 even numbers above 2686; odd numbers above 1025) (replaces GASKET, B248683, G136-0194075)	1	
	G136-0196016	19-5	A284099	A284099	GEAR, planetary, turret hand traversing mechanism handwheel shaft (10 teeth) (used on M-8 even numbers above 2686; odd numbers above 1025)	3	
	G136-0196015	19-4,5	A284096	A284096	GEAR, turret hand traversing mechanism handwheel shaft (12 teeth) (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H011-0713025	19-5	103046		NUT, castle, S., $\frac{7}{16}$-20NF-2	1	
H-1	H001-0811039		103373		PIN, cotter, split, S. (type B), $\frac{3}{32}$ x $\frac{3}{4}$	1	
	G136-0196032	19-5	A284100	A284100	GEAR, turret hand traversing mechanism handwheel shaft (15 teeth) (used on M-8 even numbers above 2682; odd numbers above 1025)	1	



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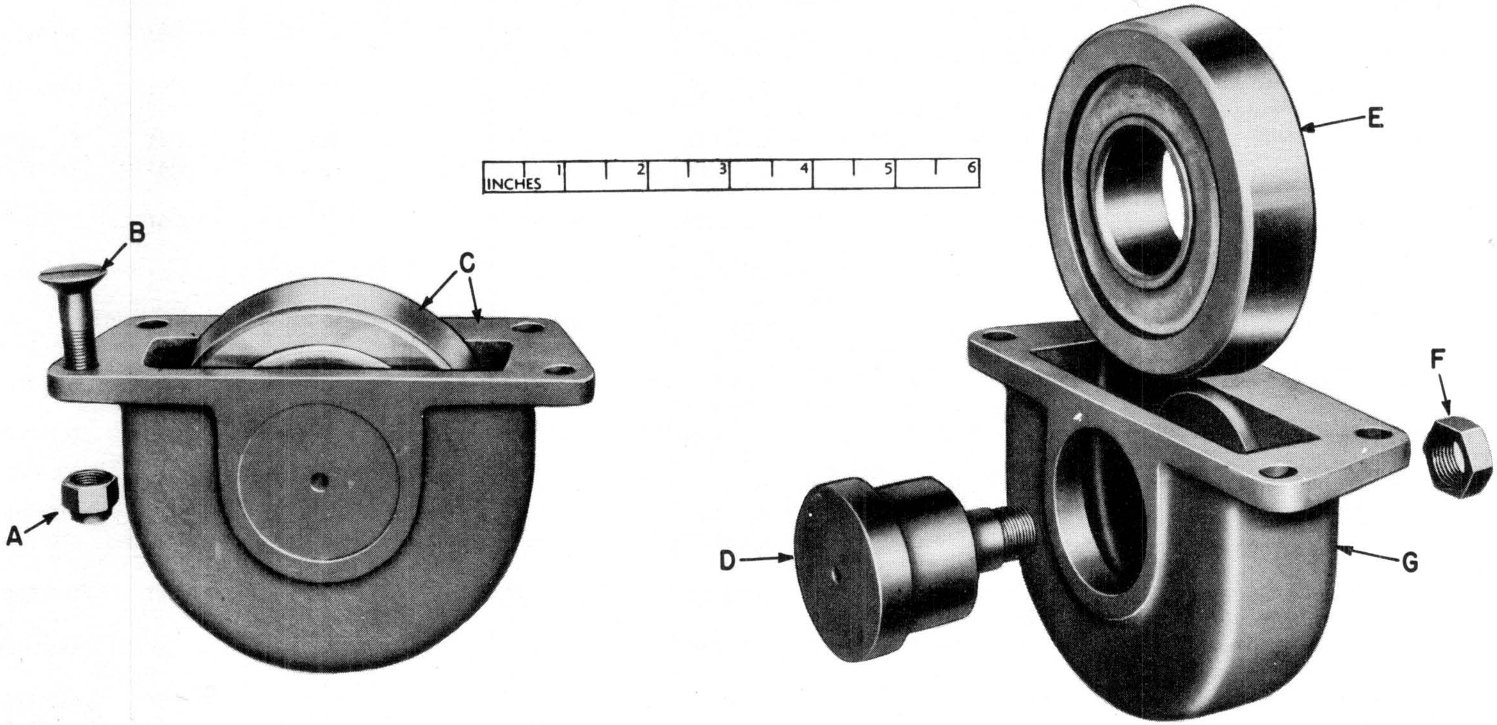
FIGURE 19-6—TURRET LOCK, (SECOND TYPE) (EXPLODED)

Key	*Item*	*Part No.*	*Group No.*
A	COVER	A232081	1905.1
B	SPRING	A232058	1905.1
C	SHAFT	A232055	1905.1
D	HANDLE	B247945	1905.1
E	PIN	A284369	1905.1
F	STUD	A284145	1905.1
G	HOUSING	D67508	1905.1
H	STUD	A283703	1905.1
J	PIN	505577	1905.1
K	STOP	A232056	1905.1
L	SPRING	A232057	1905.1
M	LOCK	B248924	1905.1
N	STUD	A283704	1905.1
P	SCREW	A284272	1905.1

RA PD 28573C

GROUP 19—TURRET

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(Second Type)		
	G136-0196017	19-3,4	B248684	B248684	GEAR, turret hand traversing mechanism pinion shaft (56 teeth) (used on both types hand traversing mechanism)	1	
	G134-0340697	19-6	B247945	B247945	HANDLE, turret lock	1	
	G136-0209225	19-5	B248943	B248943	HANDWHEEL, turret hand traversing mechanism (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H001-0716024		219704		NUT, jam, hex., s-fin., S., $\frac{7}{16}$-20NF-2	1	
H-1	H001-1519012		115550		WASHER, lock, internal teeth, reg., S., $\frac{7}{16}$ in.	1	
H-1	H001-1530010	19-5	103342		WASHER, plain, S., SAE, std., $\frac{7}{16}$ in. ($\frac{15}{32}$ in. I.D. x $\frac{15}{16}$ in. O.D. x $\frac{1}{16}$ in. thick)	1	
	G136-0217873	19-3	D67407	D67407	HOUSING, turret hand traversing mechanism (used on first and second type hand traversing mechanism) (replaced by D67508)	1	
			D67508	D67508	HOUSING, turret hand traversing mechanism (replaces D67407, G136-0217873)	1	
H-1	H001-4027601	19-4	218195		NUT, regular, hex., s-fin., S., $\frac{9}{16}$-18NF-2	1	
H-1	H001-0718024	19-4	218570		NUT, regular, hex., s-fin., S., $\frac{7}{16}$-20NF-2	3	
	G136-0392328	19-6	A283703	A283703	STUD, turret hand traversing mechanism housing cover ($\frac{7}{16}$-14NC-2 ($\frac{15}{32}$) x $1\frac{11}{16}$ x $\frac{7}{16}$-20NF-2 ($\frac{41}{64}$))	3	
	G136-0392329	19-6	A283704	A283704	STUD, turret hand traversing mechanism bracket to housing ($\frac{9}{16}$-12NC-5 ($\frac{1}{2}$) $1\frac{3}{4}$ x $\frac{9}{16}$-18NF-3 (.66))	1	
H-1	H001-1518010	19-4	103322		WASHER, lock, reg., S., $\frac{7}{16}$ in. (.453 I.D. x .767 O.D. x $\frac{1}{8}$ thick)	3	
H-1	H001-1518012	19-4	103324		WASHER, lock, reg., S., $\frac{9}{16}$ in. (.593 I.D. x .968 O.D. x $\frac{1}{8}$ thick)	1	
	G136-0217895	19-5	B248883	B248883	HOUSING, turret hand traversing mechanism handwheel shaft (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H001-0718022		218564		NUT, regular, hex., s-fin., S., $\frac{5}{16}$-24NF-2	2	
	G136-0392310	19-6	A284145	A284145	STUD, turret hand traversing mechanism handwheel housing to cover	2	
H-1	H001-1516008		108579		WASHER, lock, hv., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{3}{32}$ thick)	2	
	G136-0221020	19-5	A284102	A284102	HUB, turret hand traversing mechanism handwheel shaft clutch (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H001-0518010		124543		KEY, Woodruff, ni-S., $\frac{1}{8}$ x $\frac{1}{2}$ (No. 404) (turret hand traversing mechanism handwheel shaft) (used on first and second type hand traversing mechanism)	2	
	G136-6248924	19-6	B248924	B248924	LOCK, turret hand traversing mechanism (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0382023	19-6	A284272	A284272	SCREW, turret hand traversing mechanism	1	
H-1	H001-1518008		103320		WASHER, lock, reg., S., $\frac{5}{16}$ in. (.328 I.D. x .578 O.D. x $\frac{1}{16}$ thick)	1	
	G136-0289446		D67406	D67406	MECHANISM, turret hand traversing, assembly (interchangeable with D67325 as an assembly) (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
H-1	H001-1013285	19-4	216833		SCREW, cap, hex-hd., S., $\frac{1}{2}$-20NF-2 x $1\frac{1}{2}$	4	



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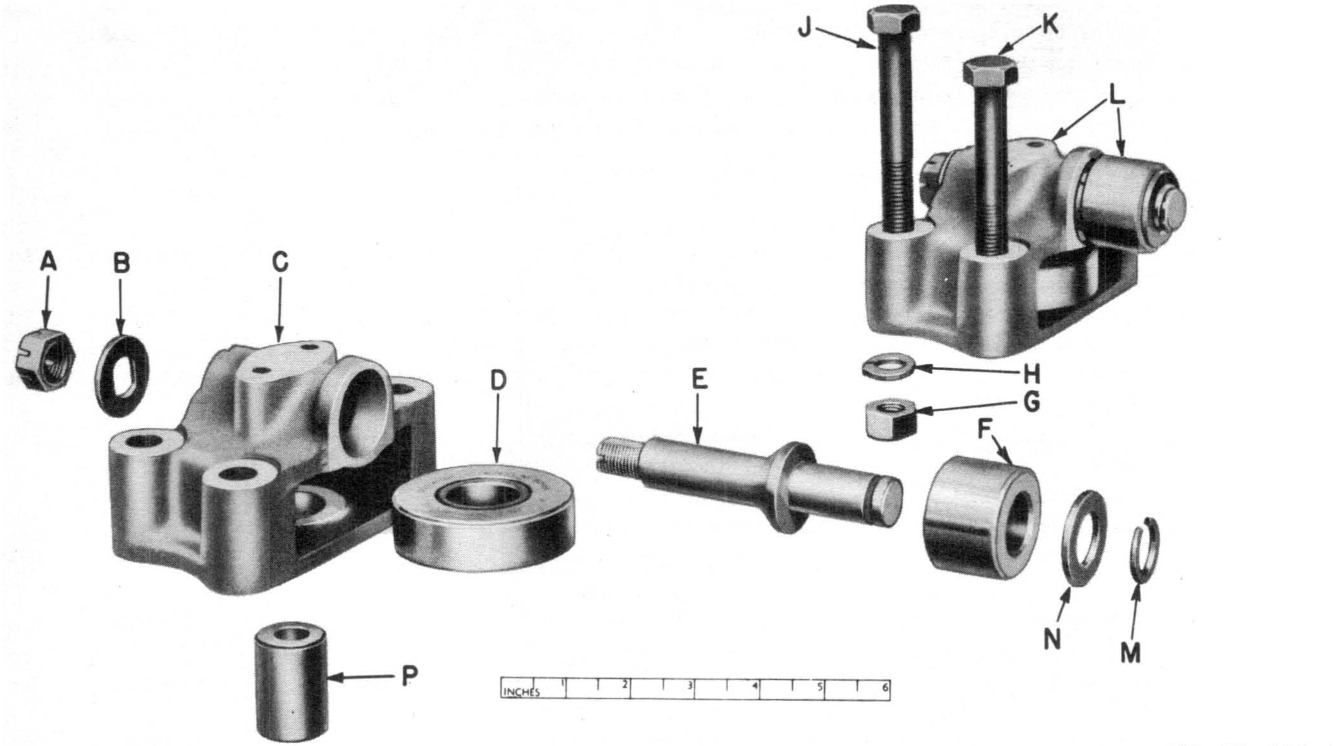
FIGURE 19-7—TURRET SUPPORT ROLLER

Key	*Item*	*Part No.*	*Group No.*
A	NUT	503388	1901.1
B	SCREW	A283929	1901.1
C	SUPPORT, assembly	B248699	1901.1
D	SHAFT	B141909	1905.1
E	BEARING	A143699	1901.1
F	NUT	B19444BH	1901.1
G	HOUSING	C64653	1905.1

RA PD 28565C

GROUP 19—TURRET

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(Second Type)		
H-1	H001-1518011	19-4	103323		WASHER, lock, reg., S., 1/2 in. (.515 I.D. x .859 O.D. x 1/8 thick)	4	
	G136-0336151	19-4	A283714	A283714	PIN, dowel, turret hand traversing mechanism shaft (used on first and second type hand traversing mechanism)	1	
H-1	H001-0829608	19-6	505577		PIN, turret lock handle, lower	1	
		19-6	A284369	A284369	PIN, turret lock handle, upper	1	
	G136-0336304	19-3,4	A283657	A283657	PINION, main drive, turret hand traversing mechanism (used on first and second type hand traversing mechanism)	1	
	G136-0258755	19-4	A283712	A283712	KEY, turret hand traversing mechanism main drive pinion	1	
	G136-0314872	19-3,4	A283706	A283706	NUT, turret hand traversing mechanism drive pinion shaft (5/8-18NF-3)	1	
	G136-0443064	19-3,4	A283707	A283707	WASHER, turret hand traversing mechanism main drive pinion shaft nut	1	
	G136-0340212	19-4	A283716	A283716	PLATE, turret hand traversing mechanism shaft (used on first and second type hand traversing mechanism)	1	
	G136-5283751		A283751 (EM-B-3538)	A283751	PLUG, turret hand traversing mechanism housing (hex-hd., 3/4-20NS-2) (used on first and second type hand traversing mechanism)	1	
	G136-0367675	19-5	B248882	B248882	RETAINER, turret hand traversing mechanism handwheel shaft (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0369927	19-4	A283663	A283663	RING, snubber, turret hand traversing mechanism	1	
H-1	H001-1030188		421780		SCREW, machine, rd-hd., S., No. 5 (.125)-44NF-2 x 3/16 (turret hand traversing mechanism lock) (used on M-8 even numbers above 2686; odd numbers above 1025)	2	
	G136-0382101		A284207	A284207	SCREW, turret hand traversing mechanism shield to gun mount (used on M-8 even numbers 2686; odd numbers above 1025)	2	
	G136-0382808	19-3,4	A283658	A283658	SEAL, dust, turret hand traversing mechanism handwheel shaft bearing (used on first and second type hand traversing mechanism)	1	
	G136-0382811	19-4	A283702	A283702	RETAINER, turret hand traversing mechanism handwheel shaft bearing dust seal	1	
	G136-0384830	19-5	B248884	B248884	SHAFT, turret hand traversing mechanism handwheel shaft (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0384770	19-3,4	A283659	A283659	SHAFT, main drive, turret hand traversing mechanism, w/PLATE (used on first and second type hand traversing mechanism)	1	
	G127-5232055	19-6	A232055	A232055	SHAFT, turret lock handle	1	
	G136-0387113	19-5	B248881	B248881	SLEEVE, turret hand traversing mechanism handwheel housing (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0369900	19-5	A284111	A284111	SNAP RING, retainer, turret hand traversing mechanism handwheel shaft flange (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0369899	19-5	A284104	A284104	SNAP RING, retainer, turret hand traversing mechanism handwheel shaft flange (used on M-8 even numbers above 2686; odd numbers above 1025)	1	



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FIGURE 19-8—TURRET HOLD-DOWN ROLLER

Key	Item	Part No.	Group No.
A	NUT	A283926	1901.1
B	WASHER	A283760	1901.1
C	HOUSING	C118044	1905.1
D	ROLLER	A312504	1901.1
E	SHAFT	A283762	1901.1
F	BEARING	A312503	1901.1
G	NUT	218571	1901.1
H	WASHER	103323	1901.1
J	BOLT	223634	1901.1
K	BOLT	223632	1901.1
L	HOLD-DOWN	B248698	1901.1
M	SNAP RING	A283759	1901.1
N	WASHER	A283764	1901.1
P	PIN	A283761	1901.1

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GROUP 19—TURRET

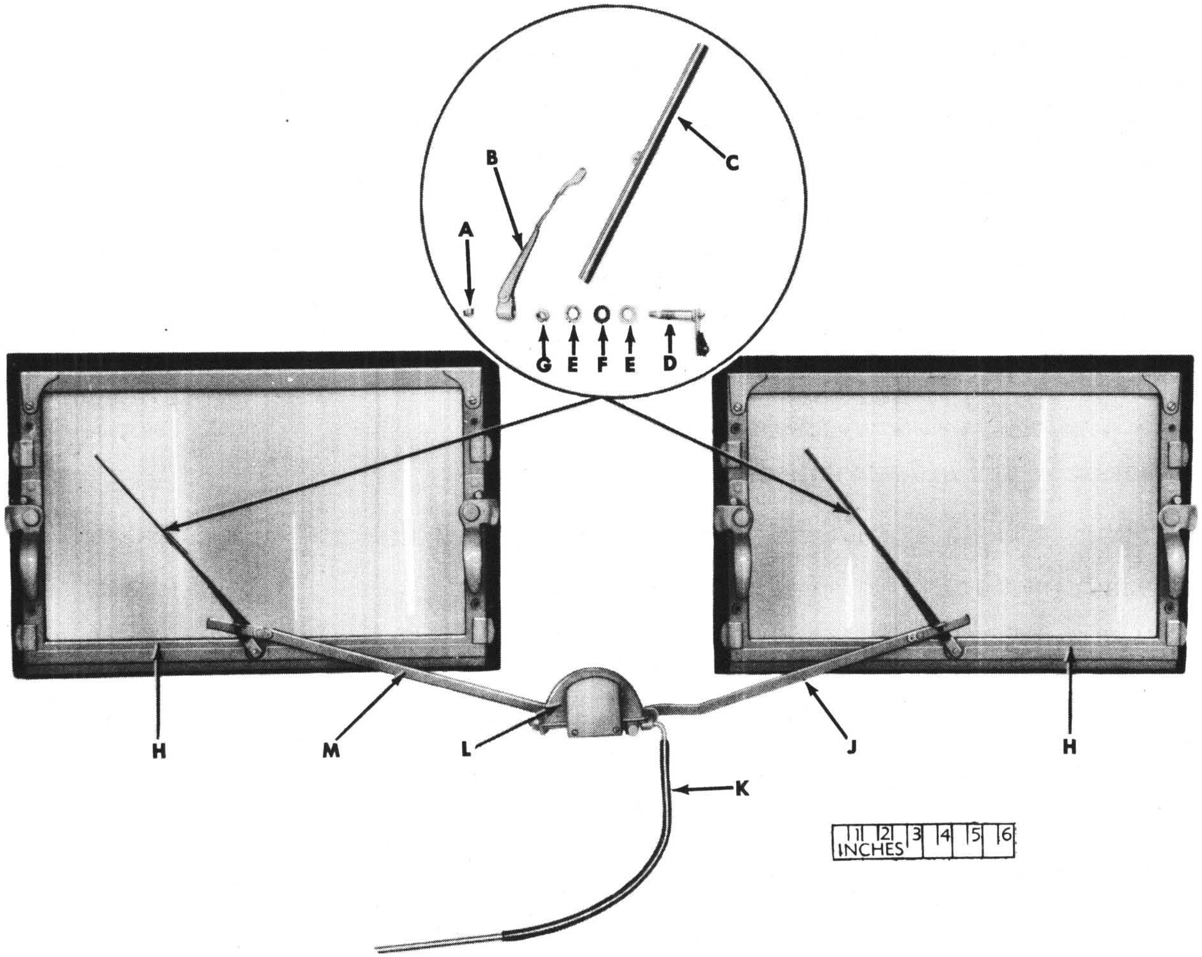
Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					1905.1—TURRET HAND TRAVERSING MECHANISM (Cont'd)		
					(Second Type)		
	G136-0389400	19-5	A284097	A284097	SPACER, turret hand traversing mechanism handwheel shaft (S., .562 I.D. x .8745 O.D. x 2$^{17}/_{64}$) (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
			B249008	B249008	SPACER, turret hand traversing mechanism housing to mounting bracket	1	
	G136-0389800	19-5	A284105	A284105	SPRING, turret hand traversing mechanism handwheel shaft (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G136-0389823	19-3,4	A283650	A283650	SPRING, turret hand traversing mechanism gear snubber bar (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G133-3672337	19-6	A232058	A232058	SPRING, turret hand traversing mechanism lock plunger (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G133-3672335	19-6	A232057	A232057	SPRING, turret hand traversing mechanism lock shaft (used on M-8 even numbers above 2686; odd numbers above 1025)	1	
	G133-0392001	19-6	A232056	A232056	STOP, turret lock handle	1	
H-1	H001-1519004		115543		WASHER, lock, internal teeth, reg., S., No. 5 (.125) (turret hand traversing mechanism lock screw) (used on M-8 even numbers above 2686; odd numbers above 1025)	2	
H-1	H001-1519015		115553		WASHER, lock, internal teeth, reg., S., 5/8 in. (turret hand traversing mechansim shield screw) (used on M-8 even numbers above 2686; odd numbers above 1025)	2	
	G136-0443065	19-3,4	A283708	A283708	WASHER, spacer, turret hand traversing mechanism drive shaft bearing (used on first and second type hand traversing mechanism)	1	
	G136-0443068	19-3	A283713	A283713	WASHER, spacer, turret hand traversing mechanism shaft snubber bar (used on first and second type hand traversing mechanism)	1	
	G136-0443066	19-3,4	A283709	A283709	WASHER, turret hand traversing gear shift dust seal (used on first and second type hand traversing mechanism)	1	
					1906—TURRET STOWAGE, RACK, BOXES AND STRAPS		
	M008-0100008		C105754	C105754	BAG, empty cartridge, .30 cal., assembly	1	
	M008-0100007		D59945	D59945	BAG, empty cartridge, .37-mm, assembly	1	
	G104-2657250		B108108	B108108	FASTENER, empty .30 cal. cartridge bag (lift the dot type)	14	
	G136-0178417		B183166	B183166	FASTENER, empty .30 cal. cartridge bag (lift the dot type)	14	
H-2	H002-0212604		C153322-E	C153322	FASTENER, empty, .30 cal. cartridge bag (slide zipper type) (M-8 only)	1	
H-2	H002-0212610		C153322-M	C153322	FASTENER, empty .37-mm cartridge bag (slide zipper type)	1	

H-2	H002-0105472		500848		FASTENER, empty .30 cal. cartridge bag (snap type)	1
	G136-0178415		A206649	A206649	FASTENER, empty .30 cal. cartridge bag (slide zipper type)	1
	G136-0178416		A213310	A213310	FASTENER, empty .37-mm cartridge bag (slide zipper type)	1
	G136-0406553		D67404	D67404	TRAY, ammunition, .30 cal., assembly	1
					GROUP 22—ACCESSORIES	
					2201—TARPAULIN AND COVERS	
	G136-0140231		D67498	D67498	TARPAULIN, turret opening (M-8 only)	1
	G147-6537589		D37589	D37589	TARPAULIN, covering, vehicle (12 x 12 ft.) (replaced by TARPAULIN, 24-P-29, interchangeable)	1
	24-P-29		(24-P-29)		TARPAULIN, covering, vehicle (12 x 12 ft.) (replaces TARPAULIN, D37589, M003-0110840, interchangeable)	1
	G136-0398442		A284129	A284129	TARPAULIN, shipping, vehicle	1
					2202—WINDSHIELD WIPER AND ACCESSORIES	
	G136-7058964	22-1	7058964 (TRI-80589)		ARM, connecting, windshield wiper motor to wiper, right, w/swivel PIVOT, assembly	1
	G136-7059273	22-1	7059273		NUT, windshield wiper swivel pivot ($\frac{5}{16}$-32NF)	2
	G136-7059274	22-1	7059274 (TRI-2306-IR)		WASHER, windshield wiper swivel pivot, inner ($1\frac{1}{32}$)	2
	G136-7059272	22-1	7059272		WASHER, leather, windshield wiper swivel pivot, inner ($\frac{21}{64}$)	2
	G136-7059274	22-1	7059274 (TRI-2306-1R)		WASHER, windshield wiper swivel pivot, outer ($\frac{11}{32}$)	2
	G136-7058962	22-1	7058962 (TRI-76570-28)		ARM, windshield wiper, assembly ($5\frac{3}{4}$ in.)	2
	8800-75072	22-1	7058965 (TRI-75072)		NUT, windshield wiper arm	2
	G136-7058963	22-1	7058963 (TRI-80588)		ARM, windshield wiper, left, w/swivel PIVOT, assembly	1
H-17	H017-0500813	22-1	7058961 (TRI-L778-33)		BLADE, windshield wiper, assembly (9 in.)	2
		03-13	B248835	B248835	BRACKET, supporting, windshield wiper line clamp and steering column, assembly	1
	G147-0135400		B262413	B262413	CHAIN, tire (900 x 20)	3 pr.
		03-13	7059276		CLAMP, attaching, windshield wiper line to steering column plate	1
		03-13	7059412		BOLT, windshield wiper line clamp and steering column plate	3
H-1	H001-0718023	03-13	218565		NUT, windshield wiper line clamp and steering column plate	3
	G136-0392198	03-13	A284173	A284173	STRAP, bond, windshield wiper clamp	1
		03-13	A284169-D	A284169	WASHER, windshield wiper line clamp	5
		03-13	7059282 (WH-400-X4)		ELBOW, windshield wiper line to vacuum pump	3
	K002-0200121		D37127	D37127	EXTINGUISHER, fire (replaced by EXTINGUISHER, 58-E-200-65, interchangeable)	1

FIGURE 22-1—WINDSHIELD W/WINDSHIELD WIPER AND MOTOR ASSEMBLY

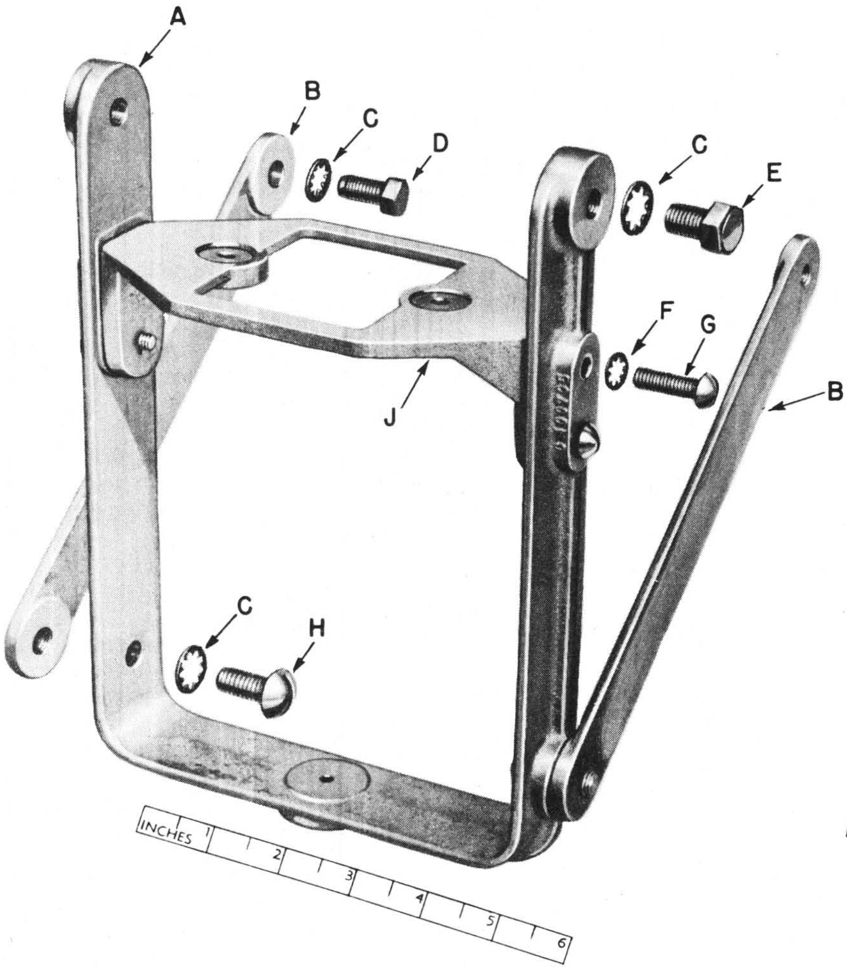
Key	Item	Part No.	Group No.
A	NUT	7058965	2202
B	ARM, wiper, assembly	7058962	2202
C	BLADE, assembly	7058961	2202
D	SHAFT, pivot assembly	TRI-80590	2202
E	WASHER	7059274	2202
F	WASHER, leather	7059272	2202
G	NUT	7059273	2202
H	WINDSHIELD, assembly	7058959	2202
J	ARM, assembly, right H	7058964	2202
K	TUBE	7058947	2202
L	MOTOR, assembly	7058960	2202
M	ARM, assembly, left H	7058963	2202

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Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					2202—WINDSHIELD WIPER AND ACCESSORIES (Cont'd)		
	58-E-200-65		(58-E-200-65)		EXTINGUISHER, fire (replaces EXTINGUISHER, D37127, K002-0200121, interchangeable)	1	
		03-13	7059284		HOSE, windshield wiper line to vacuum pump, rear	1	
	G136-7058947	22-1	7058947		HOSE, windshield wiper motor to vacuum tube (in 100 ft. rolls)	A.R.	
	8K525		(TRI-SP-1073-X)		KIT, repair, vacuum, windshield wiper motor	1	
					(Consists of:		
	G502-0427280		(TRI-241-2)		2–BUSHINGS, valve		
	G502-0194013		(TRI-711)		2–GASKETS		
			(TRI-59)		1–PLATE, paddle, assembly		
	G502-0370087		(TRI-1878-12-R)		1–RIVET		
	G502-0176618		(TRI-1255)		1–SPRING, extension		
	G502-0427262		(TRI-2202)		2–VALVES		
	G502-0443018		(TRI-2375)		2–WASHERS, felt		
	G502-0443019		(TRI-76120)		2–WASHER, metal)		
		03-13	7059278		LINE, windshield wiper, front	1	
		03-13	7059279		LINE, windshield wiper, rear	1	
	G136-7058960	22-1	7058960 (TRI-S-53228)		MOTOR, vacuum, windshield wiper, assembly	1	
H-1	H001-1030589		100766		SCREW, machine, rd-hd., S., No. 10 (.190)-32NF-2 x 3/4	2	
H-1	H001-1518005		106497		WASHER, lock, reg., S., No. 10 (.190) (.200 I.D. x .325 O.D. x 3/64 thick)	2	
	G136-7058966		7058966 (TRI-76125-4)		RETAINER, windshield wiper arms to vacuum motor rocker arm, w/CLIP and SPRING	1	
		22-1	(TRI-80590)		SHAFT, pivot, windshield wiper, assembly	2	
	G134-0419387	03-13	A284995 (WH-300X4)	A284995	UNION, connecting, windshield wiper line front to windshieldwiper line rear (1/4 inverted, 7/16-24NF-2 x 5/8)	2	
	G136-7059270		7059270 (TRI-75896)		WASHER, felt, windshield wiper motor rocker arm (15/64)	2	
	G136-7058959	22-1	7058959		WINDSHIELD, driver's door, assembly	2	
					2208.1—SPEEDOMETER AND PARTS		
	G136-0128020		A284913 (SW-P-11012)	A284913	BUSHING, transfer unit speedometer drive	1	
	G104-2688455		A345792-A	A345792	GASKET, mounting, speedometer head, rubber (3 13/32 I.D. x 3 23/32 O.D. x 1/32 thick)	1	
	G136-0196011	08-6	A284004 (WG-J5-169)	A284004	GEAR, drive, speedometer	1	
	G136-0196012	08-6	A284005 (WG-J5-170)	A284005	GEAR, driven, speedometer	1	
	G136-0203922		A248453 (SW-404709)	A248453	GROMMET, speedometer reset shaft	1	

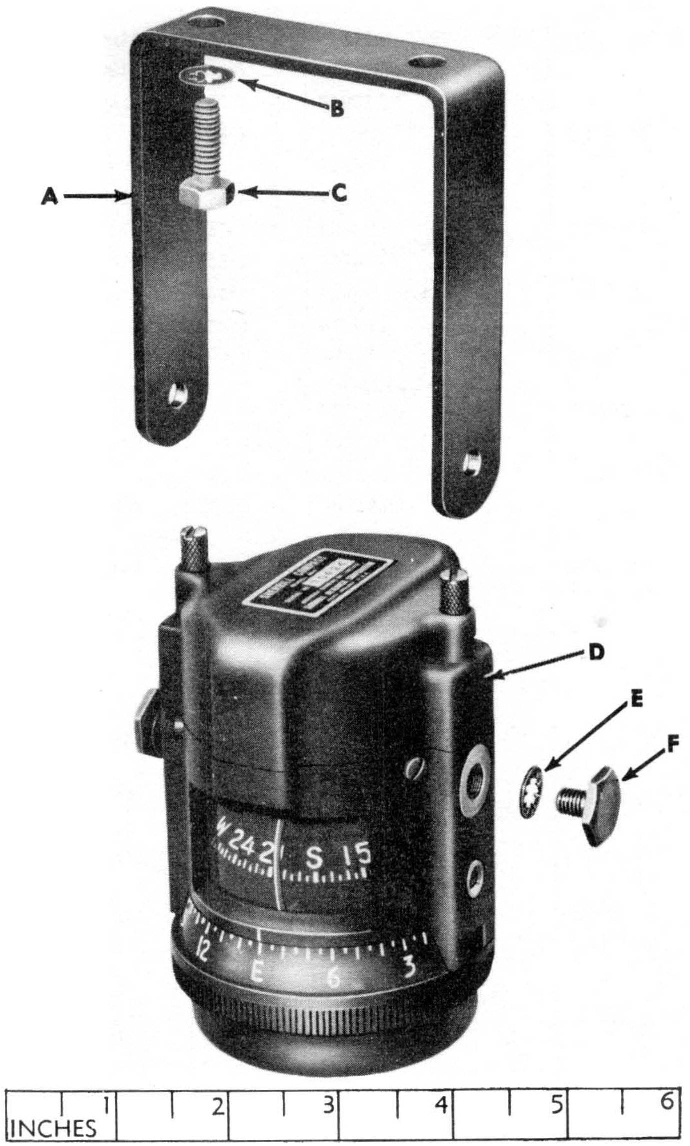


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FIGURE 22-2—COMPASS MOUNT (OLD TYPE)

Key	Item	Part No.	Group No.
A	BRACKET	C100705	2209
B	SUPPORT	B208992	2209
C	WASHER	115549	2209
D	SCREW	216311	2209
E	SCREW	215956	2209
F	WASHER	115547	2209
G	SCREW	422747	2209
H	SCREW	422777	2209
J	SUPPORT	B209241	2209

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FIGURE 22-3—COMPASS, MOUNT (NEW TYPE)

Key	*Item*	*Part No.*	*Group No.*
A	MOUNT....................................	B7067897	2209
B	WASHER....................................	B209702-H	2209
C	BOLT....................................	223572	2209
D	COMPASS....................................	C7067878	2209
E	WASHER....................................	115547	2209
F	SCREW....................................	A7067903	2209

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GROUP 22—ACCESSORIES

Col. 1 NOTE SYMBOL	Col. 2 STOCK NUMBER	Col. 3 FIGURE NO.	Col. 4 ORDNANCE OR MANUFACTURER PART NO.	Col. 5 ORDNANCE OR MANUFACTURER DRAW'G NO.	Col. 6 NOMENCLATURE	Col. 7 QUAN. PER UNIT ASSY.	Col. 8 UNIT PRICE
					2208.1—SPEEDOMETER AND PARTS (Cont'd)		
	G104-6208454		C101253	C101253	HEAD, speedometer, assembly (optional with G208454)	1	
H-1	H001-0518015		106750 (WG-X-1603)		KEY, Woodruff, S., 5/32 x 5/8 (No. 505) (transfer unit speedometer drive gear)	1	
	G136-6248767		B248767-A	B248767	SHAFT, flexible, speedometer drive (115 inches)	1	
	G134-0384731		B248767 (SW-97800-114)	B248767	SHAFT, speedometer, w/HOUSING, assembly	1	
	G136-0387110	08-6	A284912 (SW-78744)	A284912	SLEEVE, transfer unit speedometer driven gear	1	
	G104-1789551	06-8	B199958	B199958	HEAD, speedometer, assembly (used on vehicles even numbers 2 through 7836; odd numbers 1 through 8113)	1	
	G104-6208454	06-9	6208454		HEAD, speedometer, assembly (optional with C101253) (used on vehicles above even numbers 7836; odd numbers above 8113)	1	
					2209—COMPASS		
		22-2	C100705	C100705	BRACKET, compass	1	
	G104-5621174		C121174	C121174	COMPASS, assembly (Sherrill) (used on even numbered M-8's above 1000; odd numbered M-8's above 843 and all M-20's above 3411)	1	
	G176-7067878	22-3	7067878		COMPASS, assembly (Sherrill)	1	
		22-3	7067903	A7067903	SCREW, compass mount to compass (1/4-28NF-2 x 3/4)	2	
H-1	H001-1519009	22-3	115547		WASHER, lock, internal teeth, reg., S., 1/4 in.	2	
	G103-1539704		B243760 (HLM-36)	B243760	COMPASS, turret (M-8 only) (not used after number 6552)	1	
		22-3	7067897	B7067897	MOUNT, compass	1	
H-1	H001-0116171	22-3	223572		BOLT, hex-hd., s-fin., alloy-S., 1/4-28NF-2 x 1 1/4	2	
H-1	H001-7022740	22-3	B209702-H	B209702	WASHER, mount, compass	2	
H-1	H001-1013243	22-2	215956		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 3/4 (compass to hull)	2	
	G163-0392745	22-2	B209241	B209241	SUPPORT, compass	1	
H-1	H001-1028756	22-2	422747		SCREW, machine, rd-hd., br., 1/4-28NF-2 x 7/8	4	
H-1	H001-1519009		115547		WASHER, compass support	4	
		22-2	B208992	B208992	SUPPORT, compass bracket	2	
H-1	H001-1013242	22-2	216311		SCREW, cap, hex-hd., S., 3/8-24NF-2 x 1/2	4	
H-1	H001-1028813	22-2	422777		SCREW, machine, rd-hd., br., 3/8-24NF-2 x 7/8	4	
H-1	H001-1519011	22-2	115549		WASHER, lock, internal teeth, reg., S., 3/8 in.	6	

LIST OF ALL PARTS FOR ARMAMENT, SIGHTING AND FIRE CONTROL EQUIPMENT

	For List of All Parts see the following SNL'S:
For G-136, CAR, Armored, Light, M8 (T22E2) (Ford):	
BINOCULAR, M3	F-210
CARBINE, Cal. .30, M1	B-28
GUN, 37-mm, M6	A-45
GUN, Machine, Cal. .50, Browning, M2, Heavy Barrel, Flexible	A-39
GUN, Machine, Cal. .30, Browning, M1919A4, Flexible	A-6
LAUNCHER, Grenade, M8	B-39
LIGHT, Aiming Post, M14	F-205
LIGHT, Instrument, M39C	F-205
MOUNT, Combination Gun, M23A1 (37-mm and Cal. .30)	A-55, Sec. 6
MOUNT, Machine Gun, A.A., Cal. .50	A-55
MOUNT, Tripod, Machine Gun, Cal. .30, M2	A-6
MOUNT, Tripod, Machine Gun, Cal. .50, M3	A-39
POST, Aiming, M1	F-35
TELESCOPE, M70D	F-235
For G-176, CAR, Armored, Utility, M20:	
BINOCULARS, M3	F-210
CARBINE, Cal. .30, M1	B-28
GUN, Machine, Cal. .50, Browning, M2, Heavy Barrel, Flexible	A-39
LAUNCHER, Grenade, M8	B-39
LAUNCHER, Rocket, A.T., 2.36-in., M1A1	B-36
MOUNT, Ring, M49	A-55, Sec. 19
MOUNT, Tripod, Machine Gun, Cal. .50, M3	A-39

NOTES

W

(a) Items indicated by (W) are non-expendable.

(b) Items **not** marked by (W) are expendable.

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G134-0193828	0105.1
G134-0193832	0106.6
G134-0193834	0108
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G134-0194061	0607
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G134-0211416	0101
G134-0217450	0100 0503
G134-0217481	0503
G134-0217485	1204.3
G134-0217683	0503
G134-0217684	0312
G134-0217685	0203
G134-0217705	0604.1
G134-0221021	0202
G134-0221022	0702.2
G134-0221023	0702.2
G134-0232821	0601
G134-0261040	0312
G134-0274152	0704
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G134-0338454	0312
G134-0338457	1204.2
G134-0338458	1202
G134-0338615	1002 1102
G134-0338750	0106.1
G134-0338751	0106.1
G134-0338815	0706.1
G134-0338817	0203
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G134-0338820	1204.2
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G134-0338895	0704
G134-0340300	0702.2
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- A propos de l'indexation

Ce manuel utilise l'indexation OCR Adobe pour l'ensemble de son texte, c'est a dire que vous pouvez utiliser la fonction 'Rechercher' pour localiser un mot, une référence ou autres dans ce document.

Etant donné l'âge des manuels, de la qualité du papier ainsi que du système d'impression de l'époque, cette fonction n'est malheureusement pas fiable à 100% mais permet quand même de rendre de grands services. Ainsi, nous vous conseillons de réduire au maximum la chaine de caractère recherchée.

Si par exemple vous recherchez la référence F209-0122402 dans le manuel contenant le texte suivant:

	7586236	BEARING, straight, self-lubricating bz, 0.3762 ID x 0.5017 OD x 1 15/64 long, chamfered ends (for gear, assy, 7641443; gear, assy, 7641444) (M5A3)	ea	2		111
F209-0122200	B178867	BLADE, rate motor governor (for governor, assy, C78433; governor, assy, 7674434).	ea	4		95
F209-0122402	A182555	BLOCK, br, 5/16 ID x 1 wide x 1 1/8 long x 1/2 thk, 2 holes	ea	1		247

Utilisez simplement "122402" ou "22402" et votre recherche en sera d'autant plus pertinente.

- About indexing

This manual uses the Adobe OCR indexing for all of his text, that is to say that you can use the 'Find' function to locate a word, or other reference in this document.
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For example, if you are looking for the reference F209-0122402 in the manual containing the following:

	7586236	BEARING, straight, self-lubricating bz, 0.3762 ID x 0.5017 OD x 1 15/64 long, chamfered ends (for gear, assy, 7641443; gear, assy, 7641444) (M5A3)	ea	2		111
F209-0122200	B178867	BLADE, rate motor governor (for governor, assy, C78433; governor, assy, 7674434).	ea	4		95
F209-0122402	A182555	BLOCK, br, 5/16 ID x 1 wide x 1 1/8 long x 1/2 thk, 2 holes	ea	1		247

Just use "122402" or "22402" and your search will be more relevant.